

LIFE

A black and white photograph of a woman, Barbara Ann Scott, shown from the chest up in profile, looking upwards and to the left. She has short, wavy, light-colored hair. The background is a plain, light color.

OUR PLANES AND WHY THEY CAN'T
DRIVE RED MIGS FROM THE SKIES

BARBARA ANN SCOTT
HER RIVALRY WITH SONJA

20 CENTS

FEBRUARY 4, 1952

U.S. PAT. OFF.

NOW YOU CAN HAVE...

The toaster that never talks back!



This G-E Toaster is priced right—to fit your purse and your budget at \$22.95*

Extra-Special! Name Engraved on Handle!

Personalize your gift of a new General Electric Automatic Toaster! If your local G-E dealer cannot supply you with these handles, send 50c to Box 394, New York 10, New York, together with the family name (12 letters maximum) you want engraved on your handle.



Pops toast up or keeps it down till you're ready for it!

This toaster does toast the way YOU want it. Your local General Electric dealer can now supply you with one or more of these wonderful, new General Electric Automatic Toasters.

Thousands and thousands of women across the nation have been patiently waiting for this day—and now it's here!

Yes, you can have this toaster and, what's more, you can have it today!

Hurry down to your General Electric dealer and ask him to wrap it up, for your own home or as an ideal gift!



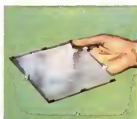
• **Toast—when you want it!** Have your eggs and toast ready at the same time! The new G-E Toaster keeps toast ready and waiting inside! For the prompt members of the family, just set it to pop up toast for immediate use.



• **Toast—as you like it!** This General Electric Toaster toasts every slice to taste—light, medium or dark. It won't matter if you toast one slice or twenty, you get every slice exactly the way you want it. Every mummy slice so wonderful to bite into!



• **So quick to clean!** This new, slimmer, streamlined General Electric has a snap-in Crumb Tray for quick, easy cleaning. It won't take you a minute to snap it out, clean it, and snap it in again.



NOTE: In the event that your G-E dealer is sold out of these toasters—don't be upset. He can order replacements immediately, and you will have your G-E Toaster in a few days. General Electric Company, Bridgeport 2, Connecticut.

*Price subject to change without notice.

Toast to your taste—every time

GENERAL ELECTRIC



There's a big difference between a

peke ... and a ... pecan

—and there is a powerful difference, too,
between gasoline and "ETHYL" gasoline!

TRADE-MARK



"Ethyl" gasoline makes a worthwhile difference ... because



there's nothing like top power

... in traffic, on hills, or on the open road!

Because "Ethyl" gasoline is high octane gasoline, it brings out the top power of your engine. Try a tankful today and see if it doesn't make a powerful difference in the performance of your car. Ethyl Corporation, New York 17, N. Y.

Other products sold under the "Ethyl" trade-mark: soft coke, ethylene dichloride, sodium (metallic), chlorine (liquid), all soluble dyes, benzene hexachloride (Kodak)

Something you've been looking for— *Rice that stays fluffy* even when reheated



This is the nutritious rice you've been reading about



©1951, Converted Rice, Inc.

Uncle Ben's LONG GRAIN RICE

Now be confident about rice! Here's rice specially processed to retain its B vitamins and flavor—that cooks up white and fluffy every time. That's the Uncle Ben's story—cooks fluffy, keeps fluffy, even reheats fluffy. Economical, too. One cup of Uncle Ben's makes four cups of cooked rice. Guaranteed fluffy rice!

A special vacuum-pressure process, exclusive with Uncle Ben's, drives B vitamins (ordinarily lost in milling) deep into the grain, makes this rice the easiest to cook, makes it turn out fluffier every time.

"Uncle Ben's" and "Converted" are trade-marks of Converted Rice, Inc.
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5015
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CECIL B. DE MILLE'S
"THE GREATEST SHOW ON EARTH"
A Paramount Picture. Color by Technicolor.



"What a cola. It's refreshing...and how! And it's extra-delicious, too. I know for sure because I took the famous taste-test, compared the popular colas, and RC was best-tasting by far!"

Yes, Betty—RC makes you feel like new and tastes best, too! The proof: RC wins 5 out of 6 group taste-tests from coast to coast. TWO FULL GLASSES in the big bottle—everywhere!

ROYAL CROWN
COLA
Best by taste-test





Our Little Cut-up

cut the whole family's shoe bills!



See, Mom! NEOLITE Soles
are so light... help shoes
keep smart lines longer!

See, Dad! NEOLITE Soles
are more comfortable—
need no breaking in!

Our youngster is rough on shoes—and *that's* rough
on the pocketbook! So when we saw NEOLITE Soles outwear
leather 2 to 1* on *her* shoes—saw how much *lighter*
they were and how much better
in every way—we got them on all our shoes!

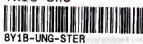
Be sure to insist on genuine NEOLITE.
Without that name, it's not the same!

Step on it!

NEOLITE
NEOLITE, AN ELASTOMER RESIN BLEND, T. M.—THE GOODYEAR TIRE & RUBBER COMPANY, ARRON, OHIO
SOLES

*As shown by actual walking tests, supervised by our own laboratory experts, comparing Neolite with leather of the same high quality specified for use by the Armed Forces.

This One





"I try to get quality in my work — and I demand it in my cigarette. Extra-mild **FATIMAS** give me that quality — and they cost no more."

Jon Whitcomb

DISTINGUISHED ILLUSTRATOR AND MEMBER
OF FACULTY "FAMOUS ARTISTS COURSE"

In **FATIMA** the Difference
is **QUALITY**

Best of All KING-SIZE Cigarettes

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LETTERS TO THE EDITORS

DISTINGUISHED BRITONS

Sirs:

Congratulations on the splendid pictures, "Distinguished Britons" (LIFE, Jan. 14). Eisenstein's beautiful photographs and the sensitive text should do more for Anglo-American relations than more official endeavors. In this age of the common man it is still the uncommon man who makes his country great.

ROSMOND REINHARDT

New York, N.Y.

Sirs:

Thank you for the masterly portrait of Gilbert Murray. I have heard a lot of the beauty and dignity of age but have seldom seen it so clearly portrayed. It is inspiring evidence of the spirit of man.

Mrs. LESLIE V. HENLEY
New Cambria, Mo.

IKE BECOMES CANDIDATE

Sirs:

"Ike Becomes a Candidate" (LIFE, Jan. 14) proves Kansas has something besides wheat.

COL. MAY E. STEPHENSON
Fort Snelling, Minn.

Sirs:

Eisenhower has had his big splash of publicity and will gradually fade out. Senator Taft shall continue to grow in strength and stature. This is as it should be. We want no military man for president. . . .

WALTER N. HOBBS

Holton, Kan.

Sirs:

The actors feel that General Ike
Will keep his finger in the dike.

ROSS HAMILTON

St. Louis, Mo.

Sirs:

. . . For almost all of my conscious years I've been a Democrat, and as old in my memory as Mother Goose rhymes is the saying about the Solid South going Democratic. If Eisenhower becomes the Republican candidate, I hope my South will discard its worn-out, leftover loyalties and resentments and throw wide its portals to let the General in.

LUCY T. WALLER

Erica, Va.

"THE CHILL EMBARGO"

Sirs:

How did you get your pictures of the Adams family ("The Chill Embargo" Envelops the Adamses," LIFE, Jan. 14) if they were snowed?

LUCY LAMBERT

Chatfield, Minn.

● LIFE's photographer got in via the local artist which carries supplies to snowbound families.—ED.

Sirs:

You say that each morning in subzero cold Mr. Adams took 16-inch ice off the watering trough—that I would have to see. Do you mean that 16 inches of ice form in one night?

RAY J. BOYD

Arvada, Colo.

● Reached last week during South Dakota's worst storm of the winter (practically all highways in eastern half of state blocked and Rapid City in west reported 105-mph wind),

Farmer Adams said there is a permanent 16-inch layer of ice on troughs and with temperatures ranging from zero to 25 below, five or six inches of ice form over the hole between choppings.—ED.

DUTCH KIDS' STAMPS

Sirs:

My wife and I send you warm compliments on your pictures, "Dutch Kids Pose for Postage" (LIFE, Jan. 14). We keep up regular correspondence with our kin in Holland and have saved some of the children's stamps as we liked the bright faces so much.

PETER J. HOMBERG

New York, N.Y.

Sirs:

I regret you didn't print a picture of Hansje Oortbuijs, who is on the 2-plus-3-cent stamp of the series.

Jack De Jong

Poughkeepsie, N.Y.



● Here is Hansje, daughter of the photographer who designed this year's stamps.—ED.

RANSOMED AIRMAN

Sirs:

I have just read Captain John Swift's "A Ransomed U.S. Airman Tells Story of His Ordeal" (LIFE, Jan. 14) and now I wonder how the Hungarian government got his son's picture?

MARILENE LOMAN

Houston, Texas

● An Albany, N.Y. newspaper sent the inscribed picture to Hungary, hoping to reassure the prisoner. Instead Swift, who knew nothing of the

CONTINUED ON NEXT PAGE

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NEW green toothpaste with miracle chlorophyll

NATURE'S
GREATEST
PURIFIER



GIVES YOU A Clean Fresh Mouth All Day Long!

Now—a new miracle toothpaste containing chlorophyll! Called Chlorodent, it actually destroys mouth odor. It fights tooth decay and common gum troubles.



Osmometer test

This new green toothpaste was used in hundreds of osmometer tests on people with bad breath. When they brushed their teeth with Chlorodent, their mouth odor disappeared. Two hours later, their breath was still fresh in 88% of the cases. Four hours later, 75% were still free of mouth odor!

By using Chlorodent regularly—preferably after meals—you can be free of mouth odor all day!

Chlorodent also works wonders in fighting tooth

decay. It greatly reduces the mouth acids that "eat" into tooth enamel. It helps combat the bacteria that cause these acids. And it keeps teeth so clean bacteria find it difficult to multiply.

Moreover, Chlorodent promotes the growth of firm, healthy-pink gum tissue. So, if you are troubled with tender gums, you will definitely want to use Chlorodent!



Chlorodent was perfected by the great Pepsodent laboratories after four years of dental research. You'll love its cool, minty flavor. Try it right away! See why Chlorodent is winning friends faster than any other toothpaste!

*Water-soluble chlorophyll

Chlorodent

THE NEW GREEN TOOTH PASTE
Made by the makers of Pepsodent

NO OTHER HAIR TONIC GIVES YOU KREML'S

"ONE-TWO" ACTION.

1
GROOMING
AGENT

2
CONDITIONING
AGENT



Each application of **KREML**
gives you two distinct actions

1 PROVIDES PERFECT GROOMING—

The golden grooming agent controls the hair gently...lets you comb it exactly as you want it, and keeps it that way all day long.

2 CONDITIONS HAIR AND SCALP—

The crystal-clear conditioning agent gives the scalp that "waked-up", fresh, stimulated feeling; removes loose dandruff flakes; helps cleanse the scalp.

When shaken, BOTH these agents flow out as one in perfect balance. Each does its job as if separately applied.

That's the secret of the soft, natural, non-greasy attractiveness of Kreml-groomed hair. That's the exclusive non-drying Kreml Hair Tonic formula that brings you good looks. Be sure you use Kreml!

Buy... **KREML**

LETTERS TO THE EDITORS CONTINUED

ransom efforts, feared that his family had fallen into Red hands.—ED.

OUT OF SAN QUENTIN

Sirs:

San Quentin's new warden, Harley Tests, successor to Clinton Duffy ("Out of San Quentin," *LIFE*, Jan. 14), has had a rocky beginning in his new job. Two weeks after he took over, two convicts killed two prison guards and wounded another two in a wild, unsuccessful escape attempt. The unfortunate incident was stopped swiftly and efficiently—but it marks the first time in 25 years that a San Quentin guard has been killed.

S. R. CONKLIN

San Rafael, Calif.



● In this picture, recaptured convict, stabbed by one of slain guards, is helped onto operating table by man whose face is masked at request of prison authorities.—ED.

TORPEDO TURBULENCE

Sirs:

The pictures in "Torpedo Turbulence" (*LIFE*, Jan. 14) exhibit the phenomenon of cavitation, although the flow itself is probably turbulent in nature. Cavitation is a dynamic phenomenon that results in vaporization of the flowing fluid in a zone of excessive low pressure, resulting in the formation of bubbles of water vapor. Turbulent flow, on the other hand, is marked by transverse mixing of adjacent layers of the fluid resulting from random fluid velocity fluctuations. I hope that this letter will convey the difference between the phenomena of turbulence and cavitation.

PAUL KAPLAN

Hoboken, N.J.

● *LIFE* should have said cavitation.—ED.

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address _____
city _____ zone _____ state _____

ONE YEAR \$6.75 in continental U.S.,
Hawaii, Alaska, Puerto Rico, Virgin Is.
(1 year at the single copy price would cost you \$10.00)

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Give to your newsletter or to your local subscription representative or mail to *LIFE*, 540 N. Michigan Ave., Chicago 11, Ill. L-24

THE PRESIDENT'S CLOTHES

Sirs:

Here in London, where President Truman is thought by some to be the worst-dressed figure in Madame Tussaud's waxworks, a men's wear journal has clothed him in typically British garments. Following up "The President's Clothes" (*LIFE*, Dec. 10), these composite pictures published in the London magazine, *Cloth and Clothes*, show how Mr. Truman might look after a quick trip around Savile Row.

MONICA HORNE

London, England



LOUNGE SUIT

SQUIRE STYLE

Sirs:

In your Jan. 7 Letters to the Editors you say that the lapel button so often worn by President Truman is an American Legion button. It is not. It is an honorable discharge button from World War I.

STAFFORD KING

St. Paul, Minn.

● *LIFE* was wrong. President Truman's lapel button is the captured rust of his generation.—ED.

FAMILY'S REWARD

Sirs:

The real reward for Helen and Carl Doss ("Family's Reward," *LIFE*, Jan. 14) is the knowledge that multiracial children are no longer "unadoptable." To them our sincere thanks. *LIFE*'s original article ("LIFE Visits a One-Family U.N.," Nov. 12) appeared as we were considering adopting one. The Reverend Mr. Doss might have said, "Go thou and do likewise." We did, and in our Japanese-American baby we have found more happiness than we can express.

RICHARD I. DARNELL

New Hope, Pa.

Sirs:

In the interest of giving credit where credit is due, I think you should tell your readers that the \$10,000 windfall received by the Doss family was actually contributed by the "Welcome Travelers" program, a property of our client, the Procter & Gamble Co., and not, as your story indicated, by NBC.

JOHN K. HANAUER

Vice President

NBC

New York, N.Y.

Don't ever let **HEADACHE**

interfere!



BROMO-SELTZER

does more
for you —
it's faster,
too!

COMPARE

- | | BROMO-SELTZER | ANY OTHER HEADACHE PRODUCT |
|--------------------------------|---------------|----------------------------|
| 1. RELIEVES HEADACHE PAIN FAST | YES | |
| 2. SOOTHES YOUR UPSET STOMACH | YES | |
| 3. CALMS YOUR EDDY NERVES | YES | |

Bromo-Seltzer and only Bromo-Seltzer is ready instantly to fight headache all three ways. For best results, use cold water. Follow the label, avoid excessive use. Keep ahead of headache. Keep Bromo-Seltzer handy.



Millions believe in **BROMO-SELTZER**



the Picture tells the story.

There's only one sure way to get the most for your money in a new television receiver: *compare the picture performance . . . its sharpness and clarity.*

The quality of the picture you see shows the quality of the engineering behind the picture. Of course, as a smart shopper you'll also compare the other features that add to your television enjoyment; ease of tuning, fidelity of sound, styling.

That's why, when *the picture tells the story*, you may be sure that your best buy in television is the 1952 Motorola TV, a triumph of good engineering . . . your guarantee of finest quality at lowest possible prices.



NO GLARE ANNOYANCE. Exclusive Glare Guard eliminates up to 98% of reflected glare. Optically-curved screen and non-reflecting Absorbalite tube direct outside light interference down and away from the screen, out of eye range.

Copyright 1952, Motorola Inc.



SIMPLIFIED, SINGLE-CONTROL TUNING. Remarkable Target Tuner perfectly synchronizes picture and sound . . . you get Filtered-Clear pictures edge to edge. No fade, no drift, no further adjustments—even with station-to-station tuning.



EXCLUSIVE NEW AREA SELECTOR SWITCH—3-position switch boosts power for "fringe" reception. New Concentrated Power Chassis has revolutionary simplified circuits, improved compact design. You're assured of finer, more dependable reception in town or 'way out-of-town!



photographs children up to 2 and 3 years old, but no older. Paule Gazeau, who is so short that she had to be placed on a raised platform to be seen in the picture

above, concentrates on children over 3 years old. André Portenier, standing behind a photograph of the Aga Khan, does "classic" studies of important clients.

The biggest, plushiest photographic portrait studio in the world is Harcourt's in Paris, which operates in a 36-room house furnished like a palace. Here Harcourt photographs 1,000 persons a month, including in its clientele French President Vincent Auriol, Peter of Yugoslavia, Leopold of Belgium, the Aga Khan. The studio makes no attempt to be exclusive. To lure customers it sends out a million sales letters a year. Once inside,

clients are smothered with attention, relaxed with music, carefully studied before being assigned to one of four specialist photographers (above) for a "luxury" portrait costing as much as \$43 a print. The biggest single order Harcourt ever had came from Chief of State Bao Dai of Viet Nam, who bought \$3,330 worth of portraits—165 prints—to be given out to friends and important people and to be hung in government buildings.



SELECTING from proofs, Carmen is critical. "Here I'm sad, here I look like a beaver."



UNSURE about her preferences, she picks picture for her fans but worries over pose to be given to her friends.



DECIDING finally, she beams on a glamour pose (next page). "Yes, that one is a honey for one or two friends."

He needs the nourishing variety of the "MILK-BONE WAY" of feeding!



MILK-BONE products contain nutrients your dog needs: Vitamins A, B₁, B₂, D and E... Meat Meal... Fish Liver Oil... Wheat Germ... Whole Wheat Flour... Minerals... Milk.

NATIONAL BISCUIT COMPANY

EVENING—MILK-BONE TINY-BITS bring welcome changes to his main meal. You merely add liquid to this concentrated nourishment... warm water, soup or broth. Then include any appetizing table left-overs for variety that pleases his taste. It's quick, easy, economical. Buy MILK-BONE TINY-BITS sealed oven fresh in lined containers.

MORNING—Food he can get his teeth into—right at the start of the day! MILK-BONE DOG BISCUITS give him the important chewing exercise that helps maintain healthy teeth and gums... contain nutrients he likes and needs. Baked for purity, MILK-BONE DOG BISCUITS come in three sizes to suit any dog. Always available in the MILK-BONE department of your favorite food store!

National Biscuit Co., Dept. LM-2
Milk-Bone Dog Biscuit Bakery
446 East 10th St., New York 9, N. Y.

Send me FREE sample of (check)

☐ MILK-BONE DOG BISCUITS or
☐ MILK-BONE TINY-BITS. Also booklet:

"How To Care For and Feed Your Dog."
(Paste coupon on postcard, if you wish.)
Please print.

Name.....

Address.....

City and State.....

This offer good in United States only



HARCOURT'S ELEGANCE is shown in its reception room, where Carmen Tesser waits for pictures. Room has walls gilded with real gold, murals, crystal chandeliers, three softly lighted aquariums. For single 10x12 enlargement Carmen paid \$20, but for 100 picture postcards for her fans, she paid only 21¢ each.



ENORMOUS STAFF was behind the production of the Carmen Tesser portrait at the right. Studio employs 86 persons, 81 of whom are shown here. Sitting in the front row are Owners Jacques La Croix (left) and his brother Jean, and Studio Manager Cosette Harcourt, after whom the studio was named.



SEE what a glow you get
from hot and hearty tea

*— see if tea for dinner doesn't help you
feel better — sleep better, too!*

HERE'S YOUR SECRET FOR REALLY GOOD TEA

Men like tea best when it's made this hefty, hearty way. Use your teapot, and 1 tea bag or 1 teaspoon for each cup (and one for the pot). Pour bubbly boiling water over tea. Let stand 3 to 5 minutes. And so economical! Many people like it best with milk.

tea council



Why not make tea your regular dinnertime beverage—starting tonight?



*"My, the neighbors
sure like our
New '52 Dodge!"*



CORONET SIERRA
4-Door Station Wagon

Let the "Show Down" Way show you why Dodge is so popular

This smart, new Dodge wins admirers with its looks . . . wins hearts with its dependable day-in, day-out performance. You get modern styling—advanced engineering that protects your investment for years ahead. Among its many exciting features is the amazing Dodge Oriflow Ride that makes every mile you travel boulevard-smooth.

And if you think this is just sales talk—your Dodge dealer can

give you *proof*! Before you buy a car in *any* price class, ask him for a free copy of the "Show Down" Plan. It lets you compare Dodge feature by feature against other cars for greater driving ease, comfort and safety . . . greater value. Once you've made this comparison test, we're sure you'll see why "You could pay hundreds of dollars more and still not get all Dodge gives you!"

Specifications and Equipment Subject to Change Without Notice

Big, new, dependable

'52 DODGE



CONTENTS

THE WEEK'S EVENTS

EGYPTIANS AN TUNISIANS RIOT AGAINST "FOREIGNERS"	17
THE DEMOCRATIC POT COMES TO A SIMMER	20
MEMPHIS PRAYS, A TRACK LOSES	22
SHELL GAME WITH GRAIN	24
REPEAT DISASTER IN NEW JERSEY	26
MASSSES OF INDIA CAST WORLD'S BIGGEST VOTE	28
DEER HARASS A CITY, ELK PESTER A PARK	37
BALLOONS AND BOTTLES TAKE MESSAGES OF GOODWILL TO CHINA	43

EDITORIAL

THE MONSTER CALLED "BUDGET".....30

PICTORIAL ESSAY

FROM STRUTS TO JET 58
PAINTED FOR LIFE BY JOHN T. McCOY JR.

ARTICLES

WHY ARE WE LOSING AIR SUPREMACY OVER KOREA?
by JOHN OSBORNE AND FRANK CAMPION..... 66

ENTERTAINMENT

THE HOT FEUD FOR ICY GOLD.....46

MEDICINE

THE STAND-UP MAN.....53

FASHION

OUTSIDE CORSETS.....75

ART

TROUBLE IN PARADISE.....76

THEATER

O'NEILL SHINES AGAIN 82

MODERN LIVING

PASTA AND HOW TO COOK IT..... 88

OTHER DEPARTMENTS

LETTERS TO THE EDITORS	5
SPEAKING OF PICTURES: WORLD'S BIGGEST PORTRAIT STUDIO SELLS GLAMOUR AND SPECIALIZED PHOTOGRAPHY.....	10
PEOPLE.....	33
LIFE GOES TO THE ATOMIC BALL	96

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LIFE'S COVER

Blond Barbara Ann Scott, whose figure-skating rivalry with Sonja Henie is striking parallels in the world of ice shows (pp. 46-48), is a doll-like girl who weighs only 98 pounds and has a tiny 4B foot. Born in Ottawa, she began skating when she was 6, and by the time she was 11 she had become a Canadian champion. In 1948, after winning all the major amateur figure-skating titles, including the Olympic crown, she turned professional. She earns about \$120,000 a year but has never seen a pay check. Her funds are handled by a trust, four Canadian businessmen who were friends of her late father. They send Barbara Ann a modest weekly allowance.

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THE EGYPTIANS . . . RIOT AGAINST BRITISH AND FRENCH

. . . AND TUNISIANS

Last week, in North African cities 1,700 miles apart, outgunned Arabo nationalists stuck up their hands while French and British police and soldiers frisked them for weapons. Tunisia and Egypt flamed in a fierce and stubborn hatred of Westerners.

Tunisia, which has been a French protectorate since 1881, exploded when the French arrested Habib Bourguiba, popular leader of the Neo Destour (New Constitution) party, which demands home rule for Tunisians. Shopkeepers struck. A mob in Sousse killed the French military commander. Trains were blown up. Bloody riots scarred a dozen towns. The French struck back hard. The result: 50 dead, hundreds wounded, hundreds more in jail—Neo Destour said 4,000 and the French wouldn't say.

In Egypt where parliament has voted to abrogate a treaty giving British military control of the Suez Canal, British tanks grunted through Ismailia, the key canal town where Egyptian terrorists have been making trouble. Firing began and somebody's bullet cut down Sister Anthony, an American nun. The outraged British herded outraged Egyptians behind barbed wire while they prodded out arms caches. During a battle that followed a British decision to disarm the Boulouk El-Nizam (constabulary) in Ismailia, 46 Egyptians and three British died. In Cairo mobs wrecked and burned British businesses and attacked Shepherd's hotel as a symbol of imperialism. As the week ended it was difficult to tell whether the man at bay was the one with uplifted arms or the foreign soldier who held him so.



ARAB ADMIRAL KISSES BOURGUIBA'S SHOULDER

TUNISIA ERUPTS AS HER BEY ENJOYS MUSIC

The French exiled the captive Tunisian leader, Bourguiba, to the cold northwestern town of Tabarka and then let him wander freely around being kissed by worshipful followers. In the snow-girt hills roundabout, other Tunisians brandished their staves and howled defiance against the French. The French tried to soothe the trouble and the country's nominal ruler, Sidi Mohammed El-Amine, the Bey of Tunis, dodged away from it. He avoided any

commitment to the French, who wanted him to call his cabinet and people to heel. Similarly he stayed clear of the Neo Destourians who have tried to spur him to lead the fight for independence. Also diffident was the U.N., where Secretary-General Trygve Lie nullified a first Tunisian appeal by sending it to the French delegation. The reason was that Tunisia is not an independent state. Tunisians hoped to do better with a new application to the Security Council.



REBELLIOUS TUNISIANS, some of them barefooted in the cold, mobilize in the snowy hill country west of Tunis. LIX. Photographer Tom McAvoy and

Correspondent David Zeitlin found them while driving from Tabarka to Tunis. They were fiercely waving sticks and knives, but uncertain what to do about crisis.



MUSIC DURING DINNER echoes through the palace of the Bey of Tunis, who has his private landmen carry on with their normal custom despite troubles.

PARADE BEFORE STORM brings thousands of Fuad University men into a Cairo street for an orderly funeral procession of their first student casualties. →

EGYPT HONORS HER DEAD AND TALKS OF WAR

In Egypt, where the hate is older than in Tunisia and both sides have been longer schooled in the techniques of terror, there was no soft-pedaling. The country went under martial law. The cabinet convened in secret session. Later a mob broke in and one minister confessed they had discussed a declaration of war. The mob cheered the news and announced it would sit down in the meeting room until the declaration was forthcoming. The British toughly called in a naval task force

including an aircraft carrier. Meanwhile Sister Anthony had gone to her grave, with her death regretted by both sides. Each charged the other for her death and the U.S. Embassy confessed it was unable to discover the killer. In Moscow, *Pravda* made capital of the trouble in a staff dispatch from Cairo saying it is only natural that the Egyptian people, "having fallen into misfortune under foreign occupation," should turn their thoughts to "the Soviet Union. . . ."



AMERICAN SISTER ANTHONY IS VICTIM OF BATTLE





COON-CAPPED CAPITOL in Nashville, Tenn., celebrates Kefauver announcement. Kefauver first took up coon campaign symbol in '48 when he was fighting for Senate seat against Crump machine. Crump used to call him "a pet coon."



KEFAUVER ANNOUNCEMENT was made at Washington press conference where the senator posed with his wife Nancy. On radio she had already discussed

THE DEMOCRATIC POT

Harry Truman had always been playful and coy about his intentions to run again. Almost everyone assumed he was simply waiting for a while before saying yes, he would. But last week Truman's hand was forced and suddenly it began to seem that Truman might possibly say no, he wouldn't.

The man who forced Truman's hand was Tennessee's junior senator, Estes Kefauver, who frankly spoke up for Harry's job. "I am," he said, "a candidate for the Democratic nomination for office of President of the United States." Next day from Nashville's statehouse the Kefauver tallisman, a giant coonskin, blossomed forth (*left*). Actually there was little surprise in Senator Kefauver's announcement. He had telegraphed his ambition by allowing his name to be entered in the Illinois primary before he announced. Even before her husband's statement Mrs. Kefauver gave a radio interview on the family problems involved in a move to the White House. Having declared himself, the Tennessean found that he had opposition. Senator Brien McMahon's name was suddenly entered in the April 8 Illinois primary and four days later just as suddenly withdrawn. McMahon explained that he really wanted Mr. Truman to be the candidate, but a more valid reason seemed to be that he had learned he had little chance in a direct contest with the popular Kefauver.

Then other Democratic names began to make headlines. In Oklahoma



"OLD COON" was nickname given Henry Clay, who ran on Whig ticket in 1844, was drawn wearing coon cap.



LUCKY COONSKIN, worn by Kefauver, was lost on a bet to Senator O'Connor, who plans to give it back.



life in the White House, saying she had told her daughter, 9, that she could be life-guard at the pool, her son, 6, that there would be plenty of place for him to play.

COMES TO A SIMMER

a boomlet started for native son Senator Robert Kerr, one of the party's trusted spellbinders. But the man who seemed to be the real fair-haired Fair Dealer and White House choice to cut down Cousin Estes, was Governor Adlai Stevenson of Illinois. As a working diplomat and former assistant to the Secretary of State, he could defend the Administration's foreign policy from first-hand experience. As Democratic governor, he had given his state notably clean and efficient government. He was summoned to the White House for a mysterious conference with the President and left without giving anyone a hint of what it was all about. But at the weekend Chicago's Democratic boss, Colonel Jake Arvey, announced that if Mr. Truman did not run Governor Stevenson would be available.

It was the Stevenson incident that led people to believe that Truman might not want to be renominated, although when he appeared for his weekly press conference the President was just as vague as ever. All he would say positively was that if he did decide to step down from the White House and file instead as candidate for the Senate from Missouri he would announce the fact before April 29. He also observed that Kefauver's campaign reminded him of one historical parallel. What it was he would not say, but reporters guessed that he was thinking of the 1844 campaign of Henry Clay who on an earlier "coonskin" ticket ran against Polk and lost.



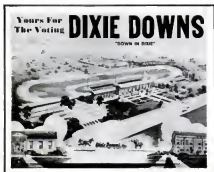
McMAHON speaks in Washington. He says he quit primary because he prefers Truman candidacy to his own.



KERR speaks at Mid-western party meeting. "I'm not running for anything," he said, "or from anything."



SMILING STEVENSON walks from Washington's Metropolitan Club day after conference with Truman. Asked what went on, he would only say that he and the President had discussed mine-safety problems and "politics in general."



TRACK BACKERS APPEALED TO LOCAL PATRIOTISM

MEMPHIS PRAYS, A TRACK LOSES

An all-night Protestant meeting
has a happy sequel at the polls

In Memphis, Tenn. last week, 560 members of nine Protestant denominations united in an unprecedented attempt to demonstrate the power of prayer. Their prayers were directed toward the voters of West Memphis, Ark., just across the Mississippi River, who were about to hold a referendum on permitting the construction of a race track in their town. The franchise for the Dixie Downs track had been revoked by the Arkansas Racing Commission, but the promoters—who, it was darkly rumored, were backed by northern interests—hoped a favorable vote in the referendum would give them ammunition to fight the case in court.

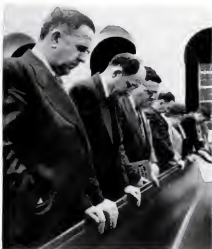
The prospect of a gambling playground so temptingly close to their city alarmed church folk in Memphis. There, beginning early the night before the election and lasting until 5 in the morning, each of the congregations met for an hour in the First Baptist Church to pray for the guidance of their neighbors across the river. Some congregations were quietly sedate in their prayers. Others gave individual and enthusiastic exhortations. The host Baptists, who were the last to use the church, opened with the pastor's plea, "Pray that God forever stay the hands of those who would establish pari-mutuel betting across the river." Later that day at the polls righteousness won going away as the voters rejected Dixie Downs, 1,533 to 1,360.



THE OPPONENTS HINTED AT HEINOUS INTERESTS



IN THE FIRST PEW LEADERS OF SEVERAL PENTECOSTAL FELLOWSHIP CONGREGATIONS KNEEL FACING



BAPTISTS, whose minister was one of the originators of the marathon meeting, stand in silent prayer.



PRESBYTERIANS sit quietly during prayer, also heard sermons and sang *O'ward Christian Soldiers*.



FLOCKS DURING HOUR-LONG PRAYERS AGAINST WEST MEMPHIS RACE TRACK



EVANGELICAL GROUP AWAITS TURN OUTSIDE THE FIRST BAPTIST CHURCH



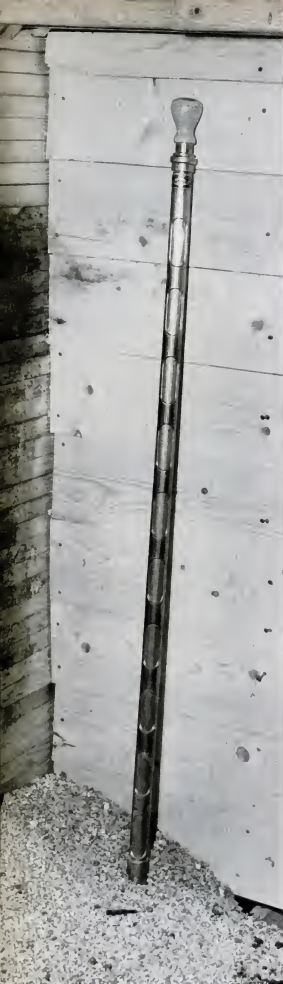
NAZARENES kneel facing the seats for comfort in long prayers, were individually most vocal of all.



METHODISTS, led by one of congregation, had biggest (213) turnout—although they met at 2 a.m.



PRAYER OF THANKS after vote is said by interdenominational group at West Memphis meeting.



SAMPLING TUBE, which inspectors poke into the bins from trap doors, was too short to show that grain in Spellmans' rigged bins went down only nine feet.



HOW BINS WERE RIGGED is shown in drawing of the Spellman elevator. Baby bins (one cut away to show trap door) held about 250 bushels each and were

placed under catwalk at top. Grain was also heaped against door below in case inspector should open it. Rest of space—capacity 10,000 bushels—was empty.

SHELL GAME WITH GRAIN

The U.S. accuses storage men of selling off the government surplus

A shell game with vast stores of grain as the pea and government-leased storage bins as the walnuts, was backfiring last week and several rural businessmen were in trouble. They owned grain storage sheds and elevators whose facilities had been rented by the Commodity Credit Corp. to store the swollen surpluses bought in by the government crop-control program during the late '40s. The owners, the government has discovered, had thought it was a shame to let the stuff lie around idle in the bins instead of being used to make some money. So they sold it by the carload at good prices, intending no doubt to replace it when the market fell. In Freeport, Ill. U.S. officials charged the Spellman brothers took the trouble to rig up devices (above) to fool the inspectors. No inspectors ever came, but the Spellmans' trick was uncovered when

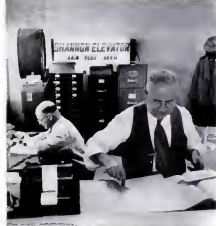
they went bankrupt. They were indicted for conversion of grain for their own profit.

In Texas some pillars of the community were caught short, the CCC said, when it asked for its grain back, but they insist their actions were just mildly irregular. One of them (right) was busily producing a homemade biblical movie.

To date about \$4 million worth of grain has been found to be missing. Secretary of Agriculture Brannan wisecracked that \$5 million worth was nothing in a \$10 billion program. "It might have slipped through cracks in the floor," he said. So far nobody had linked the CCC with more than laxity of inspection, but a Senate committee planned to investigate Agriculture's banking system to see what has become of the billion dollar loss shown since 1933 by the operation of this and other forms of farm price support.



TEXAS MAYOR E. M. Henderson (right) of Farwell was chosen man of the year by his community before the government sued him for missing bushels.



GOVERNMENT AUDITORS check the books of Office Shannon of Sudan, Texas, in first of the current cases. There are only 12 investigators for five states.



OFFIE SHANNON AND FAMILY FACE THE FUTURE WITH GOOD-HUMORED EQUANIMITY. "I GOT PLENTY OF PROPERTY TO TAKE CARE OF THIS SHORTAGE," HE SAYS



FILM MAKER SHANNON inspects a reel of his unfinished *The Thief on the Cross*. Shooting was interrupted when government seized all his property.



ACTOR SHANNON plays (right) the role of a slave dealer in his own movie. He began making it all by himself after Hollywood had turned down his script.



GRAIN MAN SHANNON strikes a pose before an elevator which represents small part of the \$500,000 fortune he has spent around Sudan in last four years.



REPEAT DISASTER

Second plane in six weeks hits Elizabeth N. J.

At Newark Airport in a rainstorm planes were making routine instrument landings through a 400-foot ceiling. The airport radar operator identified the American Airlines' twin-engine Convair on his scope and began to give the pilot advisory reports on his position. The pilot, Thomas Reid, was also using ILS (Instrument Landing System) in which a radio signal from the field registers on the instrument panel, telling the pilot whether or not he is on course. ILS said the airport's radar reports were coming in "loud and clear." On the approach (picture and diagram above) the plane was somewhat off course but in no apparent danger.

Suddenly at 3:45 p.m. over Elizabeth, N.J. it swerved down and smashed into three houses. Six Elizabeth residents and all 23 persons aboard, including former Secretary of War Robert Patterson were killed. It was the second crash in Elizabeth in six weeks, and though safer approaches were being built, indignant New Jersey homeowners had their own angry answer—move the \$50-million, 2,200-acre Newark Airport somewhere else.



ROBERT PATTERSON

PLANE'S APPROACH to runway was 400 feet left of proper course at $4\frac{1}{4}$ miles from airport. At about 4 miles, it crossed glide path at an altitude of more than 900 feet, at least 100 feet too high. It was last seen on radarscope at a distance of $3\frac{1}{2}$ miles when it was 900 feet right of glide path but at right altitude (about 800 feet). It still had ample time to correct course before landing. Then it veered sharply (dotted line) and smashed to earth, just missing a large girls' high school. Investigators thought an engine might have failed suddenly or that a propeller accidentally reversed pitch. Arrow marks the Dec. 16 crash in which 56 died.



ROARING FLAMES eat up the plane, houses and 29 victims. Diving plane battered upper corner of

a three-story brick building (right), then demolished two-story frame house and a converted garage.



TANGLED DEBRIS was hauled out by winches (on truck, upper left) as workers hunted for buried

bodies. The plane was so completely destroyed by fire that investigators had difficulty getting data.



INDIGNANT CITIZEN speaks for 1,000 others at mass meeting in Elizabeth city hall when she demands that Newark Airport be moved away from the city.



PATTERSON FUNERAL in Arlington is attended by Secretary of Defense Robert Lovett (left) and Generals Omar Bradley, J. Lawton Collins, John Hull.



AT KHARAGPUR, A BIG RAILWAY CENTER NEAR CALCUTTA, A PLASTER STATUE OF TWO YOKED BULLOCKS, ELECTION SYMBOL OF NEHRU'S CONGRESS PARTY,



LOOKING FOR THE SYMBOL designating his candidate, voter stops at bicycle. It, scales and boat represent independents, bullocks Congress Party, circled bullocks Congress candidate for Scheduled Caste (formerly Untouchables) seat.

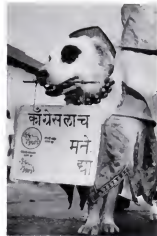


CAMPAIGNING COMMUNISTS in New Delhi shout "Death to Congress regime!" and "Down with Truman imperialism!" Weak in this relatively prosperous area, Reds showed great strength in poverty-ridden Madras and Hyderabad states.

THE MASSES OF INDIA CAST

Since last October the Republic of India, from the cold Himalayan north to the ebony forests of Madras, has been in the midst of the greatest mass voting experience in history. Just two years old last week, the republic has been holding its first national elections choosing 497 members of the federal parliament and nearly 4,000 members of 27 state assemblies. The elections will not finally end until Feb. 15.

They are being conducted among voters 70% of whom are illiterate, but are proceeding with such order and exhilarating effect that Western observers, used to the idea that only literate voters are competent to vote wisely, have been amazed at the earnestness and judgment of India's electorate. The Indian government made the voting possible by the use of symbols (*left and below*) instead of by marking of ballots. Because of lack of trained election officials and differences in climate and harvest seasons the elections were set to run for almost four months. When they



CAMPAIGNER'S POOCH carries a Congress banner in parade in Bombay, where Congress won a big victory.



CANDIDATE'S SYMBOL is displayed on signs in Delhi. Even illiterate voters found symbols helpful.



SHARES PLATFORM WITH PRIME MINISTER (AT MICROPHONE) AS HE CARRIES HIS VIGOROUS CAMPAIGN TO SOME 500,000 PEOPLE MASSED AT A VOTERS' RALLY

THE WORLD'S BIGGEST VOTE

are over, probably half of India's 170 million eligible voters (anybody 21 years old and sound of mind may vote) will have dropped ballots into two million new steel boxes made for the occasion.

Beside Prime Minister Nehru (*above*), the 20,000 candidates included several maharajas, many Communists, a few Hindu holy men—including Nehru's opponent in his home district, who campaigned by keeping total silence except on one occasion when he shouted "Oh, Lord God!"

As the first three months' returns came in, nobody was surprised to learn that Nehru and his long-dominant Congress Party machine would stay in power. What was startling, however, was that the Communists, whom Nehru had accepted in the world but tried to suppress at home, ran an alarmingly strong second. Now, as a legally elected opposition, the Communist Party has a fresh hold on India which may force the prime minister into more consistent opposition to Communism everywhere.



EARNEST INDEPENDENT I. B. Singhi rings bell, waves lantern, shouts "Darkness at noon under Congress."



IMPASSIONED SIKH delivers a campaign address for an anti-Nehru woman candidate, shown on poster.



A LIFT FOR THE LAME gives an elderly Moslem his chance to vote. Another aged voter in a different polling place created a stir by tearing his ballot into 12 pieces and casting one for each of 12 candidates to whom he had promised a vote.

THE MONSTER CALLED 'BUDGET'

TO REGAIN CONTROL OF IT, CONGRESS MUST VOTE ITSELF THE TOOLS

The President's budget, a 5½-pound, 1,316-page volume, asks for \$85.4 billion of new appropriations, about a billion dollars an ounce. But even more oppressive than its size is this fact: nobody, except a few of the experts who prepared it, will comprehend this budget before it is translated into law. It will not be subjected to intelligent over-all analysis by Congress or by anybody else. Would-be critics read it and throw up their hands. *The Wall Street Journal* found "no way to get hold of it. So monstrous as to defy reasoned comment." In any sense congenial to U.S. political principles our national budget is out of control.

This alarming fact antedates the rearmament program. The budget is out of control not because the Pentagon wants \$52 billion, but because a vast executive bureaucracy that "giant power wielded by pygmies," as Balzac called its French counterpart—has become an autonomous and self-perpetuating feature of our national life. The budget is out of control because, as *FORTUNE* says in a special February issue devoted entirely to the U.S. government, the executive machinery has grown "too complicated for the human mind to follow."

Of the budget's \$85.4 billion less than \$100 million is for Congress and the judiciary; the rest is for the executive branch. Of the 2.5 million civilians employed by the government, 2,490,000 work for the executive. And these are the people who prepare the budget. Thousands of budgeteers in scores of executive departments and agencies work the year round, each concentrating on a tiny segment of the whole. Like spring freshets into the Father of Waters, their little estimates flow wider and deeper into the great pool of 500 experts called the Bureau of the Budget, where the figures are vetted, cut somewhat and made to look simpler and more inevitable than they are. The bureau is the last area of over-all comprehension in the budget process. In January the dam is raised and Congress, to which the U.S. Constitution gives the power of the purse, begins its annual folk rite of pretending to command the waters. Command them it does not.

Take the military budget. The Pentagon put millions of man-hours into its preparation; its chief auditors are a subcommittee of seven overworked congressmen with a few clerks. A serious inquisition is simply beyond their capacity. Platoons of brass with stacks of charts can make even the vaguest justification sound like the national interest. Said one Representative last year, "The Congress is at the mercy of the executive."

In this plight economy-minded congressmen have taken to demanding across-the-board percentage cuts. Last year they branched a 10% ax; Senator Ferguson now talks about 17%. Truman calls this method of economy unconstitutional. It is better termed a blind congressional groping for its lost constitutional purse strings. What offends every basic principle of the Constitution is Congress' impotence before the fiscal monster which precedes everything.

Taking just one of the President's nine Cabinet departments, Interior, *FORTUNE's* special issue shows how it has grown too vast even for its present secretary to control. (See also *LIFE*, March 24, 1947.) Interior's budget over the years shows the steady, relentless growth of all bureaucracies, punctuated by occasional leaps as under the Ickes regime when it increased by 347%; since then it has nearly doubled again (to more than \$600 million). But Interior is actually just a name for 19 semi-autonomous and self-expanding bureaus, some of which conduct imperial rivalries with each other (Parks vs. Power over dam sites, e.g.) and have their own lines to Congress where they set up echoing rivalries. The Bureau of Reclamation aggressively polioicks for more dams whether Congress wants them or not. Such a bureau is not daunted by lack of demand for its services; it goes out and creates one. Among its other functions Interior controls one third of all the land in 11 Western states, including 82% of Nevada and 59% of Utah. It openly aspires to control the power facilities of 97% of all the running water in the U.S. No extant force seems capable of stopping it.

In setting up our tripartite federal system of checks and balances, founding fathers like James Madison feared that Congress, with its enormous paper sovereignty, might swallow our liberties in an "impetuous vortex" of legislative power. What has happened instead is that Congress has got lost in the executive vortex. Says *FORTUNE* flatly, "The legislative machinery, which is the heart of democracy, is breaking down. The American Congress is foundering."

Congress is still very good at conducting investigations and its theoretical powers are intact. (As Senator Fulbright said last week, "We have the power to do any damn fool thing we want.") But if Congress is to regain real power of the purse, it must radically change its behavior toward the budget. It must learn to make a budget itself.

The Congressional Reorganization Act of 1946 made a stab at this, setting up a joint committee to fix a ceiling on expenditures. After three unsuccessful attempts at this "legislative budget," Congress backslid into partial and emergency appropriations which deny it an over-all fiscal view. Now Senator McClellan has a bill to revive the joint committee and give it the kind of staff which would enable it to operate the year round. These staffers would sit in on all major phases of executive budget-making, check expenditures at their source and come out knowing as much as the President's Bureau of the Budget about the appropriations requested. This would at least give Congress some real weapons against the monstrous power of executive bureaucracy, instead of mere incantations.

And Congress had damn well better pass some self-reforming acts and give itself these powers. Otherwise the federal budget will remain the incomprehensible sign of America's creeping retreat from political self-control to tyranny through ignorance.



ANY ONE GETTING DIZZY IN THE ALTITUDE?

SCOOP IN HAND

When Harry Truman was a senator investigating military expenditures during World War II, he remarked that in the armed services "tremendous sums of money are thrown away with a scoop shovel." Occasionally Congress still catches the Pentagon with scoop in hand. Sample discoveries by Senator Lyndon Johnson's preparedness subcommittee.

In a four-month period 153 staff officers and men of the Submarine Force got hazardous-duty pay (about a third extra) for 18,000 man-days, whereas all but 525 man-days were spent ashore.

The mess at Carswell Air Force Base had a 5-year supply of leaf oregano (a "little-used" spice). The coffee issue also backed up so fast that the sergeant used 200 pounds of it "as sweeping compound for the floor."

Thanks to senatorial needling like this, the Army has set up a "cost-consciousness" program, putting price tags on tanks at training camps, etc. Each little bit helps. But when confronted with a military budget like this year's \$52 billion (see next column), Congress cannot possibly see where the waste is.

Quick 'n' Easy HOT DISH

Delicious...Nourishing...Thrifty!

SOUP FOR LUNCH

Your family will love it! And you
and your budget will be happier!

The next time you go marketing, just
remember this! There's hardly a food in
the store with so much to offer as soup!
It's delicious...nourishing...takes only
4 minutes to fix. So many Campbell's
Soups to choose from—a soup for every
menu and every taste. Yes, it's an all-
round winner, this idea of soup for lunch!



**SOUP AND
SALAD**

**Campbell's Chicken with
rice Soup**
Pieces of tender chicken with
fluffy rice, in a gleaming golden broth!
Crackers Peach and Cranberry Salad



**SOUP, SANDWICH
AND DESSERT**

Campbell's Green Pea Soup
A rich, velvety purée of choice
green peas. Delicious! Nourishing!
Stylish Hamburgers Cherry Pie



"My Soup Shelf is a WONDERFUL Help!"

"I try to keep several cans of the family favorites
always on hand. That way, I'm ready for any meal-
planning. And of course I'm never without Tomato
Soup and Cream of Mushroom...I use them so
much in my cooking!"

IT'S A COLD FACT...



No other Bond can match
that Kentucky Tavern taste

Distilled and Bottled in Bond Under Supervision of the U. S. Government—©Glenmore Distilleries Company, Louisville, Kentucky

PEOPLE



ALONE, SMITH POSES FOR A REUNION PICTURE IN 1951 ON THE STEPS OF HOTEL CAPE CODDER IN FALMOUTH, MASS.

A SCAVENGER, HARVARD '01, LEAVES \$400,000 FORTUNE AND A MYSTERY

Harry Chapin Smith, Harvard '01, had never given more than \$5 to the class and had not kept in touch with its members. But last year he was urged to attend his class's 50th reunion by the class committee, which wanted the biggest possible turnout. Smith, who entered Harvard at 29 and was '01's oldest member, pleaded he could not afford the trip, but classmates paid his way. Even so, he economized by taking a bus from New York. When he finally did turn up in the Boston hotel he needed a shave, his clothes were shabby, he carried a worn valise and had forgotten his false teeth. Classmates, at their wives' insistence, hurried him upstairs for a bath and shave. He journeyed with his classmates to Cape Cod where he had one of his rare pictures taken (above). Listing his occupation as "retired," he evaded further questions, insisting his private affairs "would have no interest."

For Harry Chapin Smith ('01) was a scavenger. During the day he slept in a dilapidated, junk-filled house in Brooklyn with kerosene lighting, canned heat for cooking and a rusted bed with no mattress. At night he roamed New York, gathering odds and ends to sell as junk. Several times a week he visited a

warehouse where he kept safety deposit boxes. Otherwise he remained a recluse. One day the warehouse manager missed him. Upon inquiry he learned he was dead, buried as a pauper in Potter's Field. Wondering what a destitute could want with safety vaults, he obtained permission and opened them. They contained a small fortune. There was \$290,000 in 60 savings accounts in 30 states, and \$100,000 in gilt-edged stocks and bonds. But no solid clues were found as to how Smith had amassed his money. Since he left Harvard, apparently he had mostly scavenged, though he talked of having written a newspaper column. In 1914 he inherited \$4,000 from his mother which he may well have multiplied by speculating in securities. A banker he visited said Smith had "the most unerring judgment of market trends of anyone I ever met." As befitting this wealth, Smith was reburied in a Long Island cemetery, with only two mourners, Warehouseman G. S. Small and Banker Joseph Thompson (above). But in his home town of Springfield, Mass., genealogy charts of his family were being dusted off. Unless an heir was found, the fortune of recluse Smith, who left no will, would go to New York City.



HOUSE SMITH LIVED IN



SMALL AND THOMPSON

Coming soon
to your movie theatre
**ONE OF THE GREAT PICTURES
OF ALL TIME!**

Walt
Disney's
**Snow
White**
and the
**Seven
Dwarfs**



You'll be singing ↗
♪ these happy hits again

"Whistle While You Work"

"Heigh-Ho"

"Someday My Prince Will Come"

**COLOR BY
TECHNICOLOR**
Released by RKO Radio Pictures, Inc.
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CONTINUED ON NEXT PAGE



Relieve the **PRESSURE** of Neuralgic Pain!

• When the tense, pressing agony of neuralgic pain strikes, you want relief in a hurry. And here's a way to get it—quickly, easily, effectively.

Doctors generally will tell you that neuralgic pain may be largely caused by pressure. Sensitive nerves are irritated. Local areas become tender and swollen. That torture

you feel is simply Nature's call for help.

You can get blessed relief—fast—by rubbing Absorbine Jr. on the sore, swollen areas. It actually helps to counter pressure which may be causing your misery. At the same time, it warms and soothes those pain spots. The speed with which it works will amaze you.

Thousands rely on Absorbine Jr. for its quick, comforting relief from neuralgic and rheumatic pain, from sore, aching muscles. Only \$1.25 a bottle at all drugstores. Get Absorbine Jr. today.

W. F. Young, Inc., Springfield, Mass.



ABSORBINE JR.

REAL medicine for REAL cough* RELIEF

F & F Cough Lozenges cover your throat with real medicines, soothe sore areas, reduce irritation. You feel better—fast! Resist all really medicated F & F.

*For coughs due to colds



Try the delicious
NEW CHERRY FLAVOR!

To Relieve
Misery of

COLDS take 666

LIQUID OR TABLETS - SAME FAST RELIEF

Amazing New Creme Shampoo

Re-Colors Hair IN 17 MINUTES

Now change streaked, gray, graying or drab hair to a new lustrous youthful-looking color try Tint Creme Shampoo-Tint today. It's a new hair coloring that re-colors hair at home as at a shampoo. Takes only 17 minutes. No waiting for results. It's so easy to use - just shampoo. Won't wash or rub out. HONEY BACK Guarantee! Get your choice of 13 beautiful shades today.



tint CREME SHAMPOO HAIR COLORING
At Drug and Department Stores

EAT, DRINK TOO MUCH?

Whenever you overindulge, here's how sparkling Eno can help you two ways: **At bedtime** take Eno to help quickly neutralize excess stomach acid and ease that upset, full feeling. **Before breakfast** take Eno as a quick, gentle laxative.

1. PLEASANT as a glass of sparkling, bubbly soda water!

2. ANTACID—relieves sourness, gas and heartburn promptly.

3. LAXATIVE—relieves temporary sluggishness quickly. (Take before breakfast when needed.)

Used by millions. Effervescent Eno is also good for SICK HEADACHE, DULLNESS, CONSTIPATION and ACID INDIGESTION.

At all drugists—Get Eno today.

TAKE GOOD-TASTING ENO



EGYPT'S 'CHILD OF LIBERATION' IS UNVEILED

Eagerly Egyptians waited to see the first picture of their new blond, blue-eyed crown prince, Farouk's first son, Ahmed Fuad. The whole nation shared the king's "delirious happiness" over his arrival and the divorced former queen herself, Farida, who could hear only daughters and was discarded, sent her happy congratulations. The army fired 101-gun salutes and even the Suez Canal zone terrorists (p. 17) relaxed temporarily to celebrate. Then last week the lace-trimmed insect netting that covered the handsomely carved cradle in Abdin Palace was pulled aside for a photographer. The infant prince slept, all unaware of the excitement he generated or the violent meaning that mobs in the streets were trying to give to his popular title, "Child of Liberation."



1. Efficient Ev, an expert, came in to cast his eye
On Statler's operation and to learn some reasons why.
"Why are the beds so comfortable? Why is the food the best?
And why do folks say, 'Statler's where you really are a guest?'"



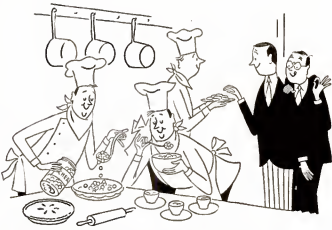
3. "For instance, Statler's famous bed, with all its famous springs,
Is kept in shape by Statler men—that's why we sleep like kings.
And Statler's expert maids make up the beds so tight and snug,
Each day, each room is spick and span from radio to rug."



5. "My business is efficiency, and Statler rates an 'E'—
Efficiency in service, and in hospitality.
My survey's done—and I've a mind to move right in to stay
With all you pleasant folks who work the friendly Statler way!"



2. The answer was a cinch to see. Said Ev, "It's clear as day
That Statler's people make it click—the bellmen, the valet,
The chefs, the bakers, waiters, too—the reservation clerk—
And all the Statler people are what make the Statler work."



4. "In Statler's kitchen, there's a host of super-skillful guys
Who make the best of hearty meals, from shrimp to cherry pies.
The pantrymen, the cellarmen, the butlers, and the rest,
All strive to make each Statler meal rank with the very best."



STATLER HOTELS: NEW YORK • BOSTON • BUFFALO • DETROIT
CLEVELAND • ST. LOUIS • WASHINGTON

★
ANOTHER GREAT NEW STATLER • LOS ANGELES
(READY FOR OCCUPANCY JUNE, 1932)



Slim The Way The Stars Slim



• Joan Bennett spends many happy hours reading in the library of her Beverly Hills home. Joan says, "The Ayds way is the really sensible way to reduce. That's why so many Hollywood stars follow it."



• One of Joan's favorite recreations is gardening. "If you are overweight, Ayds can do wonderful things for your figure," says Joan, "because it helps you to reduce the way Nature intended."



• Joan about to go for a drive with her favorite French poodle, Bambi. She is really enthusiastic about Ayds and the Ayds plan. "I recommend Ayds to any woman who wants to keep herself looking slim and youthful," says Joan.

"Ayds Can do Wonderful Things for Your Figure," says Joan Bennett

Let lovely Joan Bennett, mother of four, tell you how to win a lovelier figure! Lose weight the way Nature intended you to! A quick, natural way with no risk to health. With the Ayds Plan you should feel healthier, look better while reducing—and have a lovelier figure!

When you take Ayds before meals, as directed, you can eat the foods you like. Ayds contains no harmful drugs . . . calls for no

strenuous diet. Ayds is a specially made candy containing health-giving vitamins and minerals. It acts by reducing your desire for those extra fattening calories. Easily and naturally you should begin to look slimmer, more beautiful day by day.

Users report losing up to 10 pounds with the very first box. In fact, you must lose weight with the first box (\$2.98) or your money back.



The loveliest women in the world take Ayds



WANDERING THROUGH THE HEDGES AND GARDENS OF A SALT LAKE CITY SUBURB, SOME DEER LOOK AT CAMERA WHILE OTHERS UNCONCERNEDLY BROWSE

DEER HARASS A CITY, ELK PESTER A PARK

Both deer and elk, when they have their way, are careful to shun the scent and sight of man. But in winter, when feeding grounds are made unreachable by snow or untenable by icy winds, they lose some of their fear and head for the sheltered places. Even if man is there before them, they move right in. Some deer that invaded Salt Lake City after the last big snowfall seemed to have no fear at all. Driven by hunger and the storm, 10,000 of them came down from the Wasatch Mountains. Many stopped in the

foothills to eat hay put out by the State Game and Fish Department, but others—tempted by the comparatively lush suburban shrubbery, apple orchards and abandoned Christmas trees—moved into the city itself. They wandered among the houses (above), across the streets (next page) and did a lot of damage. One deer leaped through a \$500 plate-glass window downtown. As a consequence some angry Salt Lakers began agitating for a winter deer hunt.

Up in Wyoming the elk herds of northern

Yellowstone Park are faring less comfortably. Here 12,000 elk are grazing in a section that can only support 5,000. To cut down on these overpopulated herds, which are increasing 20% a year, the park rangers set up corrals and bait them with hay. Then when the elk, like the deer in Salt Lake, come down from the hills, the rangers trap them (below), load them in trucks and take them north to Montana. They are released in the mountains where adequate forage—and thousands of hunters—are waiting.



TRAPPED ELK stand nervously in a corral near Mammoth Hot Springs in Yellowstone Park before being put in smaller pens (background) for loading on

trucks. Small doors at left and right of gate are escape gates for rangers who, when driving the animals, must frequently duck out of the way of an angry elk.

There goes the
DIRT-fast!



"I like to do odd jobs around the house—and I like how my Boraxo gets my dirty hands *really* clean in a hurry afterward!"



"I'm a carpenter... dirt and grime grind down into my hands. But Boraxo gets even my nails clean... and I like its speed!"



Mother and the youngsters use Boraxo... it leaves skin soft and smooth. No smeared soap dish—and it saves on towels!



Ground-in dirt vanishes in a jiffy with speedy Boraxo! And Boraxo is as easy on your hands as fine toilet soap. Keep it handy for everybody—not only in the bathroom, but at the kitchen sink. It even removes fish odors! Buy the regular size or money saving one-pound can!

**BORAXO GETS OUT DIRT
PLAIN SOAP CAN'T REACH!**



So quick and easy to use... just wet your hands... pour on fast-working Boraxo powder...no hard rubbing necessary.



In seconds, creamy Boraxo gets hands—knuckles—even nails—*really* clean! Start your laundry using Boraxo right away!

ANOTHER FAMOUS "80 MULE TEAM" PRODUCT

Deer and Elk CONTINUED

THE DEER GET A BREAK IN UTAH



PROWLING AT NIGHT three deer in search of food walk calmly along East Bench at 1 a.m. Below them, in background, are the lights of Salt Lake City.



IN DAYTIME TRAFFIC deer run across road in front of Provo's Utah State Hotel where one of the animals broke in and ran up and down the hallways.



A PET FOR CHILDREN, male fawn gets patted after rescue by Douglas Nielson of Salt Lake. Children kept it overnight, let it go in feed lot next day.

CONTINUED ON PAGE 40

The only tissue that
meets you halfway



One-at-a-time
ends waste—
saves money!



Soft! Strong!
Pops up!

Have you discovered the wonderful difference between soft, strong Kleenex* and all other tissues? Because of its special Serv-a-Tissue box, Kleenex (and only Kleenex) meets you halfway. You'll see, Kleenex serves you one at a time, not a handful. Ends waste, saves money. It's America's favorite tissue.

The **LESTER GRAND PIANO**
is the Official Piano of the Philadelphia Orchestra

LESTER

Betsy Ross Spinnet

Every Home Should Have a Piano

Home pleasures are always the best of all!

Your family will share unending hours of satisfying pleasure with the genuine Lester Betsy Ross Spinnet.

Here is a piano that combines musical excellence with decorative grace and compact size. Here is an instrument with true Amplified tone, responsive touch and full volume...constructed with infinite care to assure enduring performance.



Give your children the opportunity to learn to play the famous Betsy Ross Spinnet now. The ability to play builds character, self confidence and poise for girls and boys.

Damp-Chaser equipped...an exclusive Lester feature for regulated moisture control.

Priced from \$742.00; model pictured \$790.00 f.o.b. Lester, Pa. Your own dealer will arrange terms.

Guaranteed for ten years; made **ONLY** by the Lester Piano Manufacturing Company Inc., builders of world renowned Lester Grand Pianos.

ONE *name quality price* sold by America's foremost piano dealers

mail this coupon for illustrated booklet

Lester Piano Manufacturing Company Inc., Lester 13, Pa.

Send me your 24-page illustrated book showing piano arrangement in the home. (Enclose 10c for postage.)

Name _____
Address _____
City _____
Zone No. _____ State _____ L. 10

Foreign Sales Representatives: H. A. ASTLETT & CO., 39 Broadway, New York 4, N. Y.

a beautiful piano with magnificent tone

Deer and Elk CONTINUED

ELK GET DEHORNED AND HUNTED



DEHORNING ELK, a ranger saws off antler lest it gore others in truck.



LOADING ELK, man pokes one up chute. Another (foreground) gets tag.



RELEASING ELK, rangers open truck gates and animals head for hills. They are turned out after day's hunting is over and have all night to make escape.



WAITING HUNTERS are held back by the rangers until 8 a.m. This year, rangers estimate, the hunters will kill 75% of the 2,000 elk that are trucked out.

• LIGHTER MOMENTS IN PANCAKES •



The Lighter Touch

in pancakes

It's really a two-sentence story:

You asked for lighter pancakes. Pillsbury made them lighter. The joyful payoff is this: Now you (and your whole family) can enjoy these *lighter* pancakes to your heart's content. Just make them Pillsbury's—the pancakes with the lighter touch.

PANCAKE DAYS
ARE HERE AGAIN!
See Pillsbury display
at your grocer's.



Pillsbury
for lighter pancakes



P.S. Pillsbury Buckwheats
are lighter, too. Milk is
all you add to either one.



How to save hours of spring cleaning

BY PAINTING YOUR ROOMS WITH BEAUTY LIKE THIS NOW!

Dirt doesn't cling to walls, ceilings or woodwork painted with **SPRED SATIN**—because its latex film is so smooth, so tight



Enjoy gorgeous fresh beauty throughout your home now—and at the same time look forward to the lightest spring house cleaning you've ever known! This is possible with Spred SATIN—because its 100% latex emulsion formula creates a paint film that is less porous—ordinary dirt doesn't cling and nothing can penetrate the tight surface. Your walls,

ceilings and woodwork stay bright and clean much longer. Yet, the same Spred SATIN latex film makes it the most washable paint you can use. Everything washes off easily with mild soap and water. None of the usual hard scrubbing—and no spots, no light areas. See Spred SATIN demonstrated at your dealer's now. It's the first practical paint for winter decorating.

Color Style Note on the Room Above: The warmth and charm of this modern indoor-outdoor room is created by interior walls painted with Spred SATIN Montecro Brown; floor—with Florenamel; ceiling—with Spred SATIN Moonmist; house siding—with Endurance House Paint, Tobacco Brown.

SPRED SATIN

THE 100% LATEX EMULSION PAINT

Made only by The Glidden Company, Cleveland 2, Ohio

The Wonder Paint



PAINT WITH WINDOWS CLOSED—Spred SATIN has no painty odor—no dangerous fumes. Just flow it on with brush or roller. It dries in 20 minutes without laps or brushmarks.



GUARANTEED WASHABLE—40,000 scrubbing strokes in laboratory tests did not affect the color or texture of this amazing paint—convincing proof of Spred SATIN washability!

Copyright 1962, The Glidden Company



CHINA OR BUST

Balloons and watertight bottles
bring messages of U.S. goodwill

Gaily colored balloons and the watertight, plastic bottles to which they are attached are the tools of a unique propaganda experiment carried out by the students of Lenoir Rhyne College in Hickory, N.C. Shown here getting a final campus test, 1,150 of these bottles will be dropped late this month by boat or airplane off the China coast, where, with the balloons serving as attention-getting markers, they will be washed ashore by the prevailing currents. The

characters on the outside of all the balloons proclaim "Tidings" and were hand-lettered by the students. Inside each bottle is a personal message of friendship from a Lenoir Rhyne student to someone in China and included with each message is a small packet of worthwhile items like needles, rice and fishhooks. If this initial effort is successful, Lenoir Rhyne hopes to spread the idea to other U.S. colleges and give Communist China a barrage of bottled good news,

Just plain wonderful—Swift's Premium Bacon with that
sweet smoke taste!



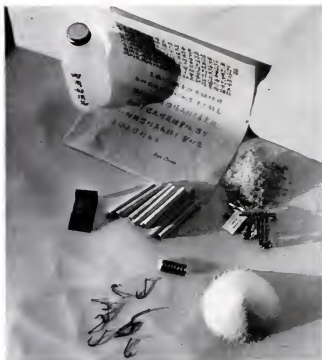
SPECIAL MILDNESS...
SPECIAL ZEST...
THE **BEST-LIKED** BACON
IN ALL AMERICA!

Swift's
Premium
Bacon





COPYIST, Sophomore Carolyn Thornton, hand-lettered big Chinese characters meaning "sugar" as models for notes written by other college students.



CONTENTS of the plastic bottle include a letter from a student and a packet of one of each of these items: needles, pins, sugar, rice, cigarettes, hooks, gum.



CHECKER is a Japanese student, Chieko Kishi. She knows Chinese, sees messages are accurate. The letter was translated by China Institute in New York.

How proud you'll be of the

picture quality

of your Magnavox!

Every Magnavox TV instrument provides a special, built-in filter

to improve picture quality and make viewing restful. The Magnificent

Magnavox Television-Radio-Phonograph offers you TV's clearest

pictures, glorious tone, and cabinetry of heirloom quality. Even

a humble budget won't mind its reasonable cost.

The Magnavox Company, Fort Wayne 4, Indiana.



The Magnavox Belvedere Television-Radio-Phonograph, complete home entertainment center—or available as a radio-phonograph to which 20-inch TV may be added.

BETTER SIGHT

BETTER SOUND

BETTER BUY

the magnificent
Magnavox
television - radio - phonograph

ULTRA HIGH FREQUENCY UNITS READILY ATTACHABLE

THE HOT FEUD FOR ICY GOLD

Two queens reign in rival shows



GIRLISH CHARM AND FEATHERY PERFECTION ARE SHOWN BY BARBARA ANN AT MADISON SQUARE GARDEN

The hottest feud ever to strike the refrigerated world of ice extravaganzas is being waged this year by seasoned Sonja Henie (*opposite page*) and lissome Barbara Ann Scott (*LIFE's* cover and this page), who wasn't even born when Miss Henie was winning her first Olympic title in 1928. After reigning 15 years as queen of the ice and star of the touring Hollywood Ice Review, Miss Henie fell out with her boss, Arthur Wirtz, who controls the major U.S. ice arenas. Wirtz signed up Miss Scott, and Miss Henie found herself out in the heat. She at once showed the business sense which has won her the nickname of "U.S. Mint" by organizing her own troupe, booking her own tour, and transporting her own portable ice rink and freezing equipment.

The congealed relations between the two rival ice camps have been carefully hidden in most of their public utterances. Recently, however, Barbara Ann's press agent hit literally below the belt by announcing, "Barbara Ann... has such pretty legs compared with Sonja's." There is little doubt that the 23-year-old Barbara Ann, who turned professional at 20 after winning all the major amateur figure-skating titles, has a more fetching figure than the 39-year-old Sonja, or that she could beat Sonja hands down in an Olympic contest today. But in the professional arenas, where a wiggled hip and well-aimed kiss (*right*) can mean far more than a perfect Axel Paulsen, the battle of the queens is more of a contest. Barbara has beauty, breath-taking form and the sparkle of youth, but to match Sonja's well-educated wriggle, roguish eyes and superior showmanship she calls on two sexy supporting skaters (p. 48).



NEW QUEEN IN ACTION. Barbara Ann Scott creates a shy and winning picture in Madison Square Garden. After doing her Olympic routines and starring



in a *Hansel and Gretel* pantomime, she is joined in a graceful *Invitation to the Waltz* (center) by Michael Kirby, who used to do his waltzing with Miss Henie.





FANCY SHOWMANSHIP AND CLUSTERS OF FINE FEATHERS CHARACTERIZE SONJA AS SHE WAfts A KISS TO HER AUDIENCE FROM PORTABLE RINK IN HOUSTON



OLD QUEEN IN ACTION, Sonja Henie uses flashing smile and freewheeling hips to help dazzle her fans as she does hula and dance routines which win her

such names as "Venus of the Ice" and "Pavlova on Skates." In her first number, called *The Jewel Ball* (center), Miss Henie skates with new partner, Charles Hain.

From England — A MIRACLE FABRIC
From Wembley — A FABULOUS TIE



Crush it...



...Twist it



Knot it...



...NOT A WRINKLE!



Wembley

NOR-EAST'
NON-CRUSH' TIES

Here is new colorful neckwear that does not crush at the knot. The fabric is woven in England from imported Australian fleeces and Turkish mohair. As millions of men know, Wembley Nor-East Ties stay as new as the day they were bought. Wembley has styled them in the richest colors and smart new stripes and plaids. For name of nearest store, write Wembley, Inc., Empire State Bldg., New York

THE QUALITY STAYS UP... THE PRICE STAYS DOWN... \$1.50

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Hot Feud on Ice CONTINUED

BARBARA HAS SOME AGILE AIDES



FLASHY JUMP takes Carol Lynne high in air as she portrays the Goddess Diane in Barbara Ann Scott's review. Miss Lynne, a former nightclub ice performer, specializes in high-voltage leaps and spins.



SEXY SHAKES by 17-year-old Andra McLaughlin from Brooklyn, N.Y. stop the show each night. She does a lively hula, first introduced on ice by Miss Henie, a wild Charleston (above) and a shimmy.

Kodak
TRADE-MARK



Family fun together—
what a time for pictures

Snapshots keep your happiest times

All the year brings wonderful experiences that make you wish, "If I only had my camera!" The one way to avoid regrets is to have your camera, and some Kodak Film, always ready for the picture chances sure to come.

Eastman Kodak Company, Rochester 4, N. Y.

Send a snapshot with every letter



At your dealer's—
dependable Kodak and Brownie
cameras for indoor and
outdoor snapshots.

For black-and-white
snapshots, Kodak Verichrome
Film. For full-color
snapshots, Kodacolor Film.

New!

Better!

Different!

The Magic Cycle

SELF-DEFROSTING

KELVINATOR

HERE is not just another refrigerator, but a great new miracle of American inventiveness. A new kind of foodkeeper, it defrosts itself automatically, *yet keeps frozen foods permanently frozen, even during the defrosting cycle!*

For this is no ordinary kind of defrosting system, but something utterly new and revolutionary... the *only* system that employs no electric heating elements. Kelvinator "Magic Cycle"* automatic defrosting is faster than ordinary systems. With no electric heating

elements, it is far more economical. It is simpler. Completely foolproof. Completely safe—for your foods, your refrigerator and you.

There's nothing else like Kelvinator "Magic Cycle" self-defrosting. Nothing like Kelvinator cold-clear-to-the-floor design. Nothing like the Kelvinator "Cold-Seal" Freezer Chest, portable Butter Chest, beautiful new Strato-Blue trim. See proof in pictures of what Kelvinator "Magic Cycle" self-defrosting means to you—at your Kelvinator Dealer's now.

*Patent applied for.

THERE IS A BETTER REFRIGERATOR...

IT'S **Kelvinator**



FREE!

Beautiful New Booklet, "New Magic For Your Kitchen". Get it at your Kelvinator Dealer's or write Kelvinator, Division of Nash-Kelvinator Corporation, Dept. L-2, 14250 Plymouth Road, Detroit 32, Mich.

FROZEN FOODS FAR BELOW FREEZING... EVEN DURING DEFROSTING!



CRISPER CRISPER

"Pst-lady! Fit this Arrow to your beau!"

An Arrow, Shirt of glee.
And some Arrow Tie, 'White
Say 'Hapt'entine, my love!
To that 'cavoite nuu!



HIRTS

TIES

to Dey!

Guard Against Throat-Scratch



*enjoy the smooth smoking
of fine tobaccos*



See how **PALL MALL's** greater length of fine tobaccos
filters the smoke on the way to your throat



The further your cigarette filters the smoke through fine tobaccos, the milder that smoke becomes. At the first puff, PALL MALL's smoke is filtered further than that of any other leading cigarette.



Again after 5 puffs of each cigarette your own eyes can measure the extra length for extra mildness as the smoke of PALL MALL's traditionally fine tobaccos is filtered further. Moreover, after 10 puffs of each cigarette...



... or 17 puffs, Pall Mall's greater length of fine tobaccos still travels the smoke further — filters the smoke and makes it mild. Thus Pall Mall gives you a smoothness, mildness and satisfaction no other cigarette offers you.



Wherever you go, notice how many people
have changed to PALL MALL
—the longer, finer cigarette
in the distinguished red package.

Outstanding...and they are mild!



WITH THE BOYS at regular Friday night game Porter balances warily. Because he stands up, opponents have to be particularly careful to hide cards.



WITH SON JON, aged 3, he stands at backyard swing. The Porters expect a third child in June.



WITH HIS DEER, shot from crutches, he achieves victor's pose. Since he cannot duck underbrush he carried a knife and hatchet to cut his way through.



MINT PATTIE'S bittersweet chocolate... refreshing peppermint cream... a flavor combination everyone enjoys

NOW in a new irresistible Nibble-size

Are they good? Just put one in your mouth. Bite through the s-m-o-o-t-h dark chocolate and into the creamy, refreshing peppermint center. M-m-m! M-m-m! Nibble-size and are they g-o-o-d!



56
PACKAGE
Also available in
10¢ packages
and large Economy Pack



WHEREVER CANDY IS SOLD!

You'll like **Welch's** POM POMs, too!

A product of the James O. **Welch** Company, Cambridge, Massachusetts

MAUREEN O'HARA, CO-STARRING IN UNIVERSAL-INTERNATIONAL'S "FLAME OF ARABY"—Color by Technicolor.



MAUREEN O'HARA, beautiful **Lustre-Creme Girl**, one of the "Top-Twelve," selected by "Modern Screen" and a jury of famed hair stylists as having the world's loveliest hair. Maureen O'Hara uses Lustre-Creme Shampoo to care for her glamorous hair.

The Most Beautiful Hair in the World is kept at its loveliest...with Lustre-Creme Shampoo

When Maureen O'Hara says... "I use Lustre-Creme Shampoo"... you're listening to a girl whose beautiful hair plays a vital part in a fabulous glamour-career.

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You, too, will notice a glorious difference in your hair from the magic of Lustre-Creme Shampoo. Under the spell of its lanolin-blessed lather, your hair shines, behaves, is eager to curl. Hair dulled

by soap abuse...dusty with dandruff...now is fragrantly clean. Rebel hair...is tamed to respond to the lightest brush touch. Hair robbed of natural sheen now glows with renewed sun-bright highlights. All this, even in the hardest water, with no need for a special after-rinse.

No other cream shampoo in all the world is as popular as Lustre-Creme. Is the best too good for your hair? For hair that behaves like the angels, and shines like the stars...ask for Lustre-Creme, the world's finest shampoo, chosen for "the most beautiful hair in the world"!



The beauty-blend cream shampoo with LANOLIN. Jars or tubes, 27¢ to \$2.

FAMOUS HOLLYWOOD STARS use LUSTRE-CREME SHAMPOO for GLAMOROUS HAIR



From Struts to Jets

DRAWINGS TELL HISTORY OF U.S. MILITARY AVIATION FROM WORLD WAR I TO THE PRESENT

PAINTED FOR LIFE BY JOHN T. MCCOY JR.



John T. McCoy

At 4 a.m. one morning last November at Boeing's Seattle plant a huge tarpaulin-covered shape was rolled out to the test areas under armed guard. The shape under the canvas was that of the Air Force's newest and world's biggest jet bomber, the XB-52 (above), a 350,000-pound plane built on lines of a jet fighter. In the drawing above, Artist John T. McCoy shows the power and beauty of the plane which is the culmination of 35 years of progress in U.S. military aviation. In the drawings on the following pages, McCoy traces the ancestry of the XB-52 back to the wood-and-fabric biplanes of World War I, then shows the developments of the fighter from the Spads bought from France in 1918 to today's 700-mph jets and illustrates how far the Navy has come from its 85-mph flying boats.

The untested XB-52, still far from the production line, will be of no immediate help to the Air Force. It will do nothing to alleviate the frightening shortage of every type of combat plane, which the lagging rearmament program has brought about. But when, in three or four years, it is in mass production, the XB-52 should be an extraordinary weapon. Into it will go the top secret devices of the Air Force. In its nose will be a radar bomb sight designed to hit targets with visibility zero from altitudes higher than 10 miles. Under its wings are slung eight newly developed J-57 turbojets whose thrust, equivalent to about 80,000 hp, will drive the XB-52 at around 550 mph. In its fuselage are immense fuel tanks which, fed by flying tankers, will make the XB-52 an intercontinental bomber.

DE HAVILLAND DH-4

Range 300 miles
Speed 100 mph
Bomb load 450 pounds
Armament 4 .30-cal. machine guns
Weight 4,000 pounds
Crew 2 men
Cost \$11,500



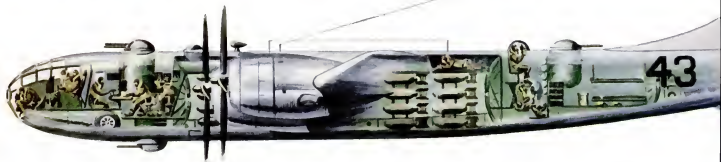
MARTIN MB-2

Range 400 miles
Speed 90 mph
Bomb load 1,000 pounds
Armament 5 .30-cal. machine guns
Weight 12,000 pounds
Crew 3 men
Cost \$35,000



MARTIN B-10

Range 600 miles
Speed 185 mph
Bomb load 2,200 pounds
Armament 3 .30-cal. machine guns
Weight 14,400 pounds
Crew 4 men
Cost \$65,000



THE BOMBERS: FROM ONE ENGINE TO TEN

The story of the bomber is the story of the airman's fight to establish himself on a par with the Army and Navy. In the bomber the airman claimed to have a weapon which could fly far beyond the battlefield to hit the enemy's means for making war—his factories, fuel, transportation net. How the Air Force developed such a plane is told in the statistics (left) for each bomber. The cost figures reflect the ever-increasing complexity of the planes and the equipment which they carry, such as the \$67.85 bomb sight on the World War I DH-4, the \$5,000 Norden bomb sight on the B-17 and today's K-1 radar bomb sight which weighs nearly a ton and costs about \$250,000.

On Aug. 2, 1918 the only U.S.-produced warplane to reach the front in France went into action. It was the DH-4, British designed but powered with the 400-hp Liberty engine, made in the U.S. With DH-4s and other planes brought from England and France, the Air Service, as it was then called, dropped a total of 127 tons of bombs in some seven months of war—a total which could be carried by four B-36s.

The small U.S. air effort of World War I did produce a big man in U.S. aviation, the flamboyant, visionary General Billy Mitchell. To dramatize the bomber, he claimed it could destroy a battleship. On July 21, 1921, before an unbelieving group of admirals, Mitchell did it, sinking a captured German battleship in 20 minutes.

Although this feat did not win Mitchell's fight with the Army for an independent air force, the progress of the bomber did not stop. In 1932 the twin-engine B-10, a sleek, fast, all-metal plane without the struts and wires of its predecessors, was billed as "the world's fastest and most powerful" bomber. But the B-10's 600-mile range was too short and in the following year the Air Corps started its so-called Project A, the development of the long-range bomber.

In the design competitions which followed Boeing submitted revolutionary plans for a four-engine plane, and in 1935 the B-17 Flying Fortress made its first flight. But when World War II started four years later the Air Corps, held in check by economy-minded congresses and a ground-minded general staff, had only 13 B-17s. In the next five years the aircraft industry put the B-17 into mass production. In 1940 they produced 53, in 1944, 5,352. From \$300,000 per B-17 in 1941 the price went down to \$187,000 by war's end. The B-17s were modified many times. The G model shown here had increased bomb capacity and was studded with gun turrets.

For the great distances involved in the Pacific war, even the B-17's range was too short but, by 1944, the Army Air Forces had the B-29 ready for action. It had the range for the 3,500-mile round trip between the Marianas and Japan and 12 remote-controlled machine guns—a big improvement over the B-17's hand-operated guns. Its bomb bay was big enough to haul the first cumbersome atom bomb to Hiroshima.

By the end of World War II our bombers still needed overseas bases from which to attack an enemy in Europe or Asia. In 1946 the Convair B-36 gave the Air Force a plane which could attack any important target in the world from a base in the U.S. But with every major air force in the world converting its fighter force to jets, our few B-36s were too slow. Two jet engines have now been added to each wing tip to boost its maximum speed to 435 mph. To get even more speed, Convair is building an eight-jet bomber, the YB-60, which will resemble the XB-52. To lick the problem of range, the Air Force has given Convair a contract to build an atomic-powered bomber. General Electric and Pratt and Whitney are building two different types of atomic engines. When completed, this plane may be able to circle the globe nonstop.

BOEING B-17G

Range	2,000 miles
Speed	196 mph
Bomb load	6,000 pounds
Armament	13 50-cal. machine guns
Weight	63,000 pounds
Crew	10 men
Cost	\$250,000



BOEING B-29

Range	3,500 miles
Speed	235 mph
Bomb load	10,000 pounds
Armament	12 50-cal. machine guns
Weight	135,000 pounds
Crew	10 men
Cost	\$750,000

CONVAIR B-36D

Range	10,000 miles
Speed	300 mph
Bomb load	10,000 pounds
Armament	16 20-mm cannon
Weight	360,000 pounds
Crew	15 men
Cost	\$3.5 million



JOHN T. Mc Guffey

WORLD WAR I Virtually without military aviation in 1917, the U.S. was forced to purchase all its fighters from France and England. To fly them, men with less than 100 hours of training in the air were sent off to the front. But in such fighters as the 226-hp French Spad. Flying without parachutes, pilots like Eddie Rickenbacker and Frank Luke fought a war of lone missions and dramatic dogfights. U.S. planes shot down 781 of the enemy and lost only 289. The American people found a host of new heroes in these "brigades of winged cavalry riding on gas-driven flying horses."



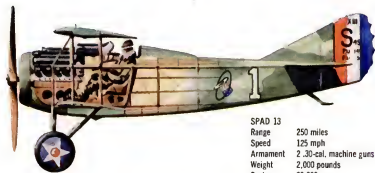
WORLD WAR II The fighter pilot of 1941-45 was a precision flier, meticulously trained to fight as a member of a team. By war's end he was equipped with some of the best and most versatile piston-engined fighters in the world. With self-sealing fuel tanks, cockpit armor for the pilot, a 1,520-hp Packard engine and six heavy machine guns mounted in the wings, the P-51 Mustang had to perform a variety of missions. It fought the enemy's fighters. It supported ground troops with rockets and bombs. With added wing tanks it flew escort for the bombers over both Berlin and Tokyo.



TODAY With the advent of the jet engine boosting speeds to double those of World War II and with the development of electronics and airborne radar, fighters are rapidly becoming planes flown by men more like scientists than pilots. The accuracy of the still-secret electronic gun sight in the badly outnumbered F-86 Sabres has accounted for many of their victories over the Russian MIG-15s in Korea. Bigger, faster F-86s with more powerful engines are now being tested. But for interception of high-altitude night bombers over the U.S., the Air Force is just getting into full production the twin-jet, two-man F-89 Scorpion, designed to track and shoot down a bomber that its pilot may never see. Bigger than many World War II bombers, it carries a radarman in the rear cockpit who locates and tracks the enemy plane and a pilot whose guns are aimed for him by an electronic "brain." The latest Scorpion, the F-89D, carries two huge, permanent wing tip tanks, filled not with fuel but with rockets aimed and fired by a new automatic aiming system.



FIGHTERS: ACES TO FLYING SCIENTISTS

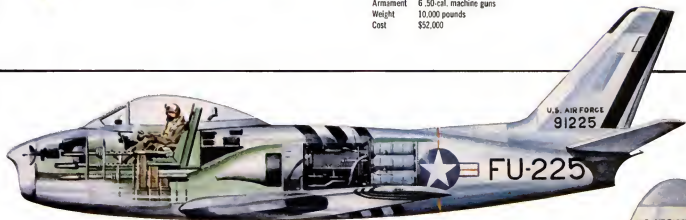


SPAD 13
Range 250 miles
Speed 125 mph
Armament 2 .30-cal. machine guns
Weight 2,000 pounds
Cost \$9,000

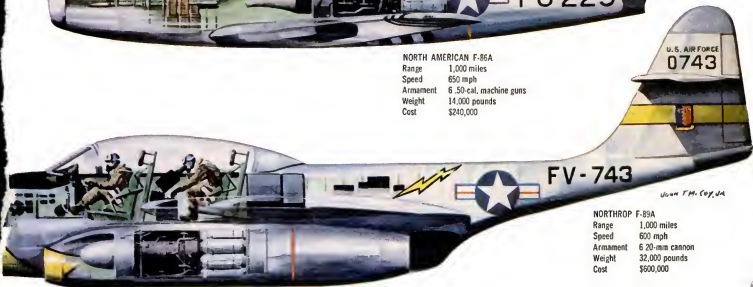
Fundamentally the fighter plane is simply a flying gun platform. Although the armament of such a plane is of extreme importance, it has lagged far behind developments made in engines. Priority is now being given to air-to-air rockets which may soon replace machine guns and the automatic cannon. The engines necessary for supersonic speeds are now being developed and the Air Force expects fighter speeds of more than 1,000 mph within the next four years. Now in the design stage are the guided missiles which may be the pilotless fighters of the future.



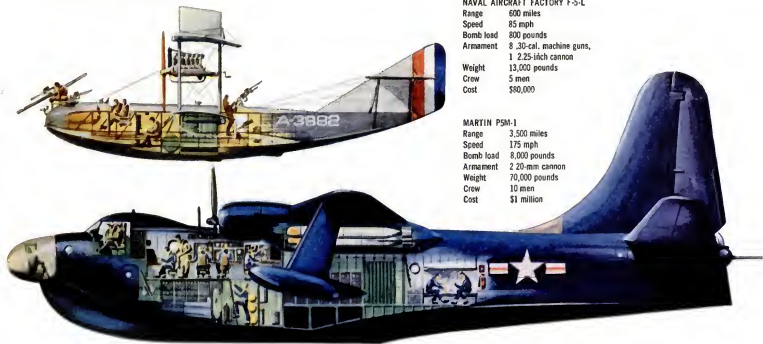
NORTH AMERICAN P-51D
Range 1,000 miles
Speed 325 mph
Armament 6 .50-cal. machine guns
Weight 10,000 pounds
Cost \$52,000



NORTH AMERICAN F-86A
Range 1,000 miles
Speed 650 mph
Armament 6 .50-cal. machine guns
Weight 14,000 pounds
Cost \$240,000



NORTHROP F-89A
Range 1,000 miles
Speed 600 mph
Armament 6 20-mm cannon
Weight 32,000 pounds
Cost \$500,000



NAVAL AIRCRAFT FACTORY F-5-L

Range 600 miles
 Speed 85 mph
 Bomb load 800 pounds
 Armament 8 .30-cal. machine guns,
 1 2.25-inch cannon
 Weight 13,000 pounds
 Crew 5 men
 Cost \$30,000

MARTIN P5M-1

Range 3,500 miles
 Speed 175 mph
 Bomb load 8,000 pounds
 Armament 2 20-mm cannon
 Weight 70,000 pounds
 Crew 10 men
 Cost \$1 million

NAVY: FROM FLYING BOATS TO CARRIER JETS WITHOUT TAILS

The Navy's first interest in aviation, naturally, was in flying boats. Its F-5-L, developed from a design of Glenn Curtiss, was created to fight against the German U-boats. It was armed with a Davis cannon whose rearward blast would smash the plane's wing if the gunner was careless. With antisubmarine warfare being given a renewed high priority, the flying boat, now called a patrol bomber, is once again of first naval importance. Behind the search radar in

the nose of the P5M (above) lies \$124,000 worth of electronic sub-hunting gear.

In the '20s and '30s the Navy developed a new type of ocean warfare built around the aircraft carrier. Many, including General Billy Mitchell and quite a few admirals, were skeptical of the worth of the flat tops. But even with small, slow biplanes (below, left) of limited range the carrier men of the late '20s proved their point in fleet maneuvers. In 1942 after

Japanese carrier planes had knocked out the battleships of the U.S. Pacific fleet, it was the planes from the U.S. carriers that won the decisive battles of the Coral Sea and Midway. By 1944 the air groups (below, right) of the Essex-class carriers had closed in on Japan itself. With the colossal U.S.S. *Forrestal*, about to go under construction, the Navy will be able to deliver the atomic bomb from a carrier-based bomber supported by 700-mph carrier-borne jets.



BOEING F2B-1



CHANCE Vought O2U-1



MARTIN T4M-1



CHANCE Vought F4U-1



CURTISS SB2C-3



GRUMMAN TBF-1

FIRST STRIKING FORCE of the Navy's air arm had F2B fighter with two machine guns and top speed of 160 mph. O2U scout plane searched out targets for the torpedo-carrying T4M which had 650 mile range but only a 113-mph top speed.

VICTORS IN THE PACIFIC flew from 35,000-ton Essex-class carriers. F4U-1 Corsair carried six machine guns, flew 300 mph. Attacking punch was in SB2C's 4,000-pound bomb load and TBF's 2,000-pound torpedo, both with 300-mile range.



LATEST CARRIER PLANES now in production are big and heavy, need large carriers like the projected 60,000-ton, \$200 million carrier (bottom, right). AJ-1 bomber (top) has two piston engines and a jet in its tail, can carry the atomic bomb. Tailless

fighters like the F7U Cutlass (center) are in 650-mph class and can escort bombers. Dive bombing, rocket and torpedo work is the job of the Douglas A2D Skyhawk with its two turboprop engines working contra-rotating, three-bladed propellers.

But why are we losing air supremacy

TWO "LIFE" CORRESPONDENTS FIND SOME ANSWERS IN THE COMPLEXITIES OF "LEAD TIME" AND

The array of military planes shown on the preceding pages represents a remarkable achievement in engineering ingenuity and industrial productivity. Yet, paradoxically, the Air Force is having serious trouble in Korea. Having failed to drive the MIGs from the skies, its planes have lost air supremacy, which means complete control of the air, and are struggling to maintain air superiority, which

means having the upper hand. Its B-29s are forced to fly their missions at night because in daylight they have suffered severely from MIG attacks. Its most advanced jet in operation, the F-86, is a dubious equal to the MIG. Worse, the F-86s are greatly outnumbered, and not enough of them are being produced to make up the vital difference.

Why, in the light of U.S. productive

abilities and capabilities, has this happened? The answer lies partly in the production lag that set in between World War II and the Korean war, when military appropriations were cut to a minimum. This lag has yet to be made up. It also lies in two formidable problems, discussed in the two articles below, which confront the Air Force and the manufacturers of the planes: One is the problem

by JOHN OSBORNE

IN Washington a gamble is now being taken with the entire U.S. military aircraft program. In deciding to hold down defense appropriations in this election year, President Truman has slowed down and flattened out the whole expansion program. It is a gamble taken in order to fit a partial military economy into a civilian economy. The concrete result is to reduce the amounts of money, materials and manpower going into the production of practically every type of combat aircraft and engine, and to postpone deliveries from six months to a year or longer.

If there is no acute need of additional airpower in the next three years, the gamble will seem to have paid off. If there is a need, and the President and others then in power are taxed with the lack of enough airplanes, they will not be able to look their accusers in the eye and, as if it excused everything, talk about "lead time."

"Lead time," the phrase which pervades almost all aircraft production discussions, is best explained by the famous sentence with which William S. Knudsen summarized the problems and frustrations of trying to speed up production: "You cannot hatch eggs in less than 21 days, no matter how many hens you put on them." The hatching time is, in military parlance, lead time.

This remark is as valid—and as incomplete—when applied to today's defense program as it was when Knudsen made it. Little or nothing can be done in many instances to shorten the hatching period of military eggs. But the inexorable facts of lead time can, if they are overemphasized, confuse the issue and become alibis for bad management of the defense hatchery.

In terms of aircraft, lead time is the time it takes to get something done—a machine tool manufactured and delivered; a new airplane or engine designed and tested; a tested airplane or engine into production and to the point of delivery. In the twilight of the piston age, before and during World War II, the over-all lead times for military airplanes were roughly calculated in two categories: three years for a fighter, from the beginning of design to initial production; five years for a bomber. Now, with the revolutionary transition from piston to jet engines, no one really knows what to count on as even a rough approximation. But it is likely to be nearer five years

for a fighter, eight years for a heavy bomber.

However, there are several kinds of lead time. Each kind presents a different bearing on the security and military prospects of the U.S.

First there is the design and engineering, or gestation, period. Thousands of years have gone into the design and engineering of General Knudsen's eggs, so that the egg is today a standard item. All you have to do is get it laid. Not so with airplanes and engines. Despite all the accumulated knowledge of engineering, metallurgy and aerodynamics, each new airplane and new aircraft engine requires what amounts to a new act of creation. Occasionally, as with the F-86 discussed in the following columns, a stroke of luck will speed up the process. But at best it is a period of slow agony, and attempts to shorten it often prolong the total lead time by passing up or overlooking faults which have to be corrected at a later stage. About the only way to cut through the initial period is to take a chance on building the airplane before the design and testing stage is completed. Sometimes this works, as it did with the World War II B-29. The same thing has been tried with Boeing's all-jet B-47 medium bomber, with mixed results to date. Successive models of the B-47 were test flown in late 1947, 1950 and 1951, and it has been on order in quantity for more than two years. But only a few are in service and the production problems of the B-47 are far from licked.

Normally a new airplane is ordered in quantity only after it has been fully engineered and tested in sample numbers. The next stage—from the first production order to the first delivery of tested types—is the one usually meant when defense managers speak of lead time. Right now the Navy is counting on three new jet fighters. All of them have been through the design and testing stage. They are proven airplanes. Yet the critical lead time from the first production orders to the first deliveries will be a year to 18 months at best, and it will be a good two years before the planes are available in useful numbers. Twenty-two months for fighters, 30 months and up for bombers, are the average estimates in favor at the moment for Air Force types which also have been through their gestation period.

Officials tend to throw around such estimates as if they were absolutely rigid and beyond reduction. This is not quite true. The period of initial production can be cut—not

much, but some—if and when the country is prepared for the maximum effort of all-out instead of half-out industrial mobilization. But there would still be a minimum period of 12 months to two years, varying with types, which no amount of money, materials, effort and talent could reduce.

It is in the next phase of production that intelligent effort and good management pay off in volume. At this stage—when the production line is rolling—output can be increased greatly. It can be, that is, if good management supported by a sufficient national effort has seen to it that the flow of engines, guns and electronic equipment to the point of final assembly is up to snuff.

Even here, however, minimum lead times must be counted on. A couple of years ago the Air Force thought for a while of increasing orders for the Boeing B-50, a modified postwar version of the B-29 bomber. A substantial number of B-50s was on order and Boeing was set to make them. Yet, the Air Force found, it could not hope to get the first plane from the additional order in less than 10 months. Last year, before John McCone resigned as Under Secretary of the Air Force, he tried to find out what would happen if an all-out effort were made to increase the rate of delivery of fighters then on order. At best, he learned, he might begin to get increased deliveries 15 months from the date the additional orders were placed. This year, with more plant facilities being completed and more types getting well into initial production, deliveries probably could be increased somewhat sooner. With air-frame and engine plants completely toolled and the complex line of supply moving smoothly at every point, the delivery rate of a fighter already in production can be stepped up within six to eight months.

Plants are expanding

MANY of the billions appropriated in the last two years have gone into increased plant facilities rather than into immediate orders for new planes, and the pay-off from this expansion should begin to appear this year. An example of what has been done is the story of General Electric's J-47 jet engines. Just a year ago, after the engine had been through its engineering and design troubles, Packard and Studebaker were asked to make it in quantity

over Korea?

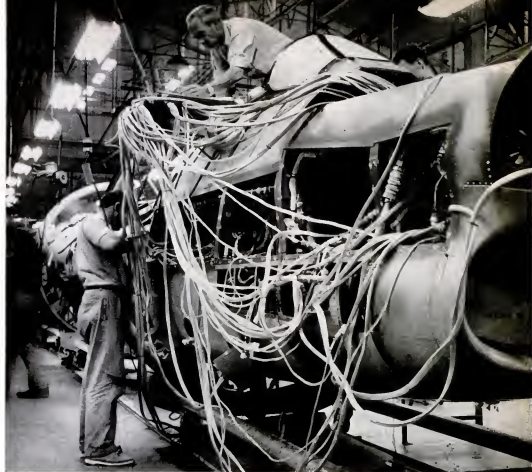
OF BUILDING TODAY'S PLANES

of planning the aircraft program in a civilian economy partially geared for war, as against that of the U.S.S.R., which is almost wholly converted to war production. This is discussed by LIFE Editor John Osborne, reporting from Washington, D.C. The other is the complexity of modern jets, reported by LIFE Correspondent Frank Campion in Los Angeles, who describes the case history of the F-86.

for the F-86 fighter, the B-47 bomber and other types. After a year of effort the plants where the engines will be made are still not ready for production. But they should be turning out J-47s by the end of 1952. Further away from volume production are more powerful engines, like the J-57, which will power the new jet bombers (pp. 58, 59).

Like many others, the Packard and Studebaker plants are being tooled up for production in three phases. First, they are equipped to fill initial orders at a fairly low monthly rate, using only part of their actual capacity. Second, they are equipped to increase the initial rate of output whenever desired by stepping up the number of men and shifts working the existing facilities. Third, plant space is provided for additional tool capacity which may or may not be installed later. In round estimates—the exact proportions are secret—these plants can double their rate of output with present facilities and can multiply it several times as additional capacity is installed. From the original decision to put Studebaker and Packard into the J-47 business to the production of their first engines, the lead time will have been around two years. But, once the plants are going, the lead time on increased output can be reduced to a few months.

Lead time means, among other things, that the nation's military power in being at any given moment depends on decisions taken two to five years in the past. In the week of Jan. 11 an Air Force board met to consider the composition of the Air Force in 1956, and the board acted in the knowledge that many of its decisions would be irrevocable in 1954 and 1955. The same heavy responsibility lies upon those who make the day-to-day decisions in aircraft choice and procurement. Two years or so ago, for instance, it seemed wise to cut off the production of a key fighter and shift money and materials to another type. A year was to pass before the decision could take effect in reduced deliveries of the fighter, so nobody worried much about it. Later, as the Korean war developed, the need for the first fighter grew more rather than less acute, and every effort was made to sustain and increase the rate of its production. But, because the flow of materials had been slowed at the sources many months before, nothing could be done to halt the decline of production and the ground lost has not been recovered to this day.



COMPLEX CHECK of part of the five miles of electrical circuits in fuselage of an F-86D slows assembly line.

But painstaking work on this electronic maze is necessary to build the intricate fighter for today's air war.

by FRANK CAMPION

IN the summer of 1945 two peculiarly interesting objects, sent by air force intelligence, arrived at the North American Aviation Co.'s Los Angeles plant. One was the wing of the latest German jet fighter, a Messerschmitt 262, and its batlike design was startling to the company's engineers who had never seen anything like it on a plane before. The other, of even greater interest, was a secret record of German wind-tunnel experiments on the aerodynamic behavior of radically swept-back wings. Conclusive and exhaustingly thorough, the data (which the Russians also lifted from the files of the Luftwaffe) saved North American three laborious years of research in designing the Air Force's fastest fighter now in operation, the F-86 Sabre jet. As sketched out on the company's drawing boards, the F-86 was to be equipped with the conventional straight wing. But by adapting the German innovations, North American was able to convert its design from straight to swept-back in only four weeks.

The conversion was one of the easiest steps North American can remember in building the F-86. In the six years that have followed, the company has encountered a continual stream of delays and designing and production difficulties. The complications arise from the fact that jets, with their electronic equipment and tremendous speeds, are vastly and increasingly more complex than propeller-driven planes and present a whole new series of unforeseeable problems. The engineering cost of the P-51, for example, North American's famous World War II prop-driven fighter, was \$690 per plane; for the F-86 it is \$14,132. In the P-51 there are 1,545 feet of electrical wire while the F-86A has

almost two miles of it packed into its stubby fuselage.

One of the earliest drawing-board jobs that confronted North American was providing means by which a flier would abandon an F-86 roaring along at transonic speed, a safety device which U.S. designers worry about far more than the Russians. Government research programs had already produced an apparatus to eject the pilot and his seat from the airplane fast enough to clear the vertical stabilizer. "But," explains a North American engineer, "when the plans came to us the seat was much too fat and heavy. It looked like something that belonged in a barber shop." Four company designers worked one year just to redesign the ejection seat so that it would fit into an F-86. That did not end the problem, because the Plexiglas canopy covering the cockpit had to be fired off too. Then, when they had figured out a sequence timing device so that the canopy would fire off first, followed by the pilot and his seat, the engineers found themselves with more trouble: the pilot's feet would not clear the instrument panel. So the panel had to be redesigned.

An earlier—and larger—designing difficulty arose from the fiercely hot jet blasts that travel through the fuselage and out the tail pipe. Temperatures in the pipe range around 1,200°. During the planning it was discovered that a bullet hole in the pipe would uncork a flame with the intensity of a welding torch, which would melt the vital parts around it—the support frames for the horizontal and vertical stabilizers. To correct this possibility, North American had to go to work designing the parts in stainless steel, a process new to

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* T.M. REG.



BLUEPRINTS stacked in foreground are only a third of 5,328 necessary for an F-86E. Engineers spent 801,286 manhours to research and design first model.

STRUTS TO JETS CONTINUE

the engineers, which swallowed up no less than 25,000 additional manhours in the blueprint stage alone.

Finally, in the autumn of 1947, the F-86 (model A) made its first test flight, and later the Air Force began to receive its first order of 33 Sabre jets. But, as the orders increased and as F-86s began to be flown, more engineering complications kept cropping up. Around the tubelike nose of the F-86 is a metal nose ring which has to be encased in a nonmetallic material so that it will not interfere with the electronic equipment installed directly behind it. At first a lacquered glass cloth covering was used. But when F-86s started flying through storms at 650 mph, something happened which no one could have anticipated: rain, pelting against the nose ring, wore away the cloth. The problem went to the North American research department which, with a fine flash of ingenuity, thought of a readily available makeshift covering for the nose ring: keg-liner, the material used to line the inside of beer cans. This worked fine, and nearly 150 F-86s rolled off the production line with keg-lined noses before a more permanent solution, a synthetic called neoprene, was found.

Before October 1950, when the last of the F-86As came off the production line, North American began building an improved, faster F-86, the D model (LIFE, Jan. 22, 1951), equipped for all-weather flying. (The E model, another improved version, is a day fighter like the A.) To the D the company added an innovation, something the engineers call the "flying tail," which caused a chain reaction of complications. In a conventional plane the horizontal stabilizer consists of two parts—a fixed fin running parallel to the ground and a movable part called the elevator. To increase the maneuverability

CONTINUED ON PAGE 19



EJECTION SEAT was a big headache in designing the F-86. First model of seat was too big for the cockpit. A year's work went into the model (above) that fits.



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*Personnel selected July 16, 1947

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FOR THE TUMMY

✓ TRY ONE OR TWO TUMS AFTER BREAKFAST
SEE IF YOU DON'T FEEL BETTER



COIN DIMPLER'S SCHOOL had to be set up to teach labor dimpling method used to rivet F-86 wings. Here workers learn how a dimpling machine works.

STRUTS TO JETS CONTINUED

of the F-86D, the horizontal stabilizer was redesigned into one broad section that would move as a unit. This seemingly simple change in the plane's tail caused problems in the plane's control system. By increasing the elevator's surface North American also intensified the air pressure on the elevator, which was intensified even more by the increased speed of the plane. This would make it difficult for the pilot, using the hydraulic booster mechanism of the F-86A, to move the control stick in the cockpit. So the designers adapted to the F-86D an "irreversible power system" by which the job of moving the elevator controls would be accomplished by a motor. This system, however, solved only part of the problem and, in fact, added another one. It eliminated the "feel" which the pilot would have for the controls—a factor that has to be maintained. A pilot can judge the violence or ease of a maneuver by the feel of his controls. Deprived of it, he would be likely, for example, to go into a pull-up that would be too sudden for the plane to withstand. Consequently North American had to design an extremely intricate mechanism which supplemented the irreversible power system with an "artificial feel."

With all their engineering skill in solving the problems that arise unpredictably, the designers have, by their own ingenuity, engineered other problems. By introducing more and more mechanisms into the F-86 and by following Air Force specifications (including \$60,000 worth of radar in the D model), the engineers have overloaded the plane so that its combat maneuverability has been somewhat reduced. Some of these mechanisms (about 1,000 pounds' worth) are necessary only for peacetime use at home. Some, built in for the safety of the pilot, are considered to be excess luxury items. But most of them are essential at all times. So, in order to cut down the weight, the engineers and the Air Force are altering the specifications with a view to eliminating the excess that can be spared. They have also plunged into an intensive and difficult program of "miniaturizing" the essential but bulky electronic and radio gear. Even an item like a radio tube, already small, is being shrunk to thimble size. Thus the process of designing and redesigning goes on, and will continue to go on, with increasing complexities, until the plane becomes obsolescent.

In the production phase—actually putting the planes together in the factories—North America's difficulties began with its first attempt to assemble an F-86A. The engines of the first 50 F-86As off the line could be run only seven and a half hours before they had to be grounded for inspection. By the time North American and the Air Force had completed their initial flight tests, there were not enough engine hours left to fly the planes to their delivery points. The motors had to be torn down and many of them completely overhauled. As late as 1948 the F-86 engines were usable for only 15 hours before they had to be taken apart for inspection, but since then their endurance has been improved to an acceptable level. Closer tolerances and greater strength requirements in the wings caused additional headaches. In World War II days an airplane wing was built simply by wrapping aluminum sheet metal around an aluminum framework and riveting it in place. But with the F-86, the wing sections had to be fashioned—by giant electronically controlled mills—out of large aluminum slabs. The sections, called "skins," are tapered and machined down to tolerances of five thousandths of an inch. In riveting the skins onto the wing spars, the

CONTINUED ON PAGE 72

MISERABLE FEELING OF STUFFY



NOSE

... anywhere... any time this handy Vicks Inhaler makes cold-stuffed nose feel clearer in seconds. By makers of Vicks VapoRub.

GOES!



Use as often as needed!



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Misery of
COLDS
take 666

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To ease
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Give it Air and Watch it GO!

TAKE one gallon of good gasoline — 8,350 gallons of ordinary air—mix well and feed in small doses to a Fireball Engine—and what do you get?

Well, mister, the closest we can come to describing the result is to tell you—it's something like the mighty thrust of an airliner—swooshing down the runway for a take-off.

All of which is another way of saying that this newest and finest of Buicks can rev up to 170 horsepower, the highest in its distinguished history.

Now, you seldom need all this horsepower. But it's nice to know you can boss it around—even if you use no more than an eighth of it at 40 miles an hour.

But Buick engineers never do things by halves.

In the process of getting this whopping new charge of power, Buick engineers also came up with *more miles per gallon from gasoline.*

And they did it with one of the neatest bits of ingenuity we've seen in years. Instead of building a whole new engine—they focused on ways to feed a better mixture to the great Fireball Engine they already had. A mixture of fuel, which costs money, and air, which is free.

The result was the Airpower Carburetor—a four-barrel automatic—which works on a booster principle.

Two barrels are sized and designed to supply the just-right thrifty mixture of fuel and air for anything from smooth-running idle up to some 40 or 50 miles an hour.

Then—when you call for more power—for a quick spurt-out of a tight spot—for an unbroken gait up a steep hill—or for full-throttle operation—the reserves go into action.

You have two more barrels—to feed the just-right thrifty mixture for extra power—something like “second wind.”

Life's great behind this great-powered eight, but that's only part of the story.

The rest is about interior styling stepped up to a new plateau of excellence and taste—of silencing to a point where a whisper sounds almost loud inside this car in motion—of bigger brakes and a smoother ride—and of Power Steering* as you have always hoped it might be perfected.

How about coming in and getting that story soon?

Equipment, accessories, trim and models are subject to change without notice. *Available on ROADMASTER at a moderate extra cost.

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When better automobiles
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will build them

SEE YOUR NEAREST BUICK DEALER

STRUTS TO JETS CONTINUED

company ran into an inevitably recurrent problem in assembling the complicated jet—shortage of skilled workmen. In its World War II planes, North American sank the rivets below the surface of the aluminum to eliminate bumpy contours and streamline the plane. But in the F-86 the aluminum sheets had to be so thin that conventional countersinking was impossible. The company adopted a delicate, seldom-used countersinking technique known as "coin dimpling" which few men in the plant had ever heard of, and late in 1946 it established its own school to instruct workmen in the technique. Training a coin dimpler takes 20 hours, but changes in dies, heat ranges, machines and materials make it necessary for the company's certified dimplers—there are now 1,200 of them—to go back for refresher courses every two years. As the F-86 production schedules got going, other shortages of skilled labor developed all through the assembly operation, becoming increasingly difficult as more planes were produced. In a six-month period in 1950, for example, North American hired 2,209 workmen and had to train 3.4% of them. Over an equivalent stretch a year later, it hired 8,000 workmen, had to train almost 20%.

But of all North American's difficulties the most troublesome and delay-ridden lies in the unpredictable length of time it takes to procure materials and tools to make the planes. Suppose, for instance, production schedules are based on getting aluminum sheet in six months, and it suddenly takes 12 to acquire the metal. Some of the material was stockpiled in advance in the company's warehouses, so the F-86 production line has never once stopped, though it has often been slowed down. But as lead time expands with freakish inconsistency it inevitably means that fewer F-86s are produced and fewer F-86s reach the firing line.

North American's list of expanding lead times is characteristic of most aircraft production. Manufacturers are finding, for example, that magnesium sheet (for wing ailerons) which used to be delivered in six months now takes 14. Bar and sheet aluminum has been increasingly elusive since 1949. Then it could be had in three months: in 1950 the lag jumped to nine, while in 1951 it leaped on to 12. Intricate aluminum forgings for landing gear, available in six months a year ago, are now likely to be delayed for 19 months. Skin mills, the tools which fashion the wing sections, still take 18 months or more for delivery despite strenuous efforts to supply them in needed quantities. So the problem of lead time goes on, bewildering to the outsider, who wonders where all the planes are, and exasperating to the plane manufacturer, who lives and works and frets in the snarls of procurement. Even an item as tiny and prevalent as a light bulb—the simple flashlight bulb except for a bayonet-type base instead of the screw-in variety—may be a year in delivery. "We were getting bulbs without trouble," explained an aircraft executive, trying to suppress his accumulated exasperations, "when all of a sudden they went 'Zoo!'." What haunts aircraft makers is that they never know what small or large item will, in the vagaries of lead time, snarl up all their schedules by suddenly going zoo.



SIMPLE LIGHT BULB used in planes, not very different from ordinary bulbs, is one of the many hard-to-get items which now threaten production schedules.



Whenever you're
HUNGRY



and crave something
GOOD



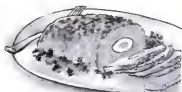
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Of all the sweet words ever whispered, none are so heart thrilling
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GIBSON Valentines

... so they'll know you sent the very finest

GIBSON ART COMPANY • CINCINNATI, OHIO • Publishers since 1920





Mmm...and
29 to
grow on!



Which are your favorites, honey? A hard decision to make, isn't it—when every single one of Gerber's Strained Foods is so beloved by babies the world over! And with good reason, too. For Gerber's are famous for the true color and true flavor that appeal so much to babies . . . along with the special creamy-smooth, purée-like texture meant just for tiny tongues and tummies.

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- | |
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| ☐ Vegetables & Bacon |

Gerber's Strained Vegetables

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|---|---------------------------------|
| ☐ Spinach | ☐ Peas |
| ☐ Carrots | ☐ Squash |
| ☐ Green Beans | |
| ☐ Beets | |
| ☐ Mixed Vegetables | |
| ☐ Sweet Potatoes | |

Gerber's Strained Fruits

- | | |
|---|---------------------------------|
| ☐ Pears | ☐ Prunes |
| ☐ Peaches | |
| ☐ Applesauce | |
| ☐ Pears & Pineapple | |
| ☐ Apricots with Farina | |
| ☐ Plums with Tapioca | |
| ☐ Apricot-Applesauce | |

Gerber's Strained Desserts

- | |
|--|
| ☐ Custard Pudding |
| ☐ Chocolate Pudding |
| ☐ Orange Pudding |



LACED AND BONED corset of white brocade tops a separate tulle evening skirt (Bruce Stuart,

\$165). Worn here in a nightclub by Model Martha Boss, it reduces her 22-inch waistline to 20 inches.

OUTSIDE CORSETS

Elizabethan idea is now comfortable way to little middle

This spring's fashions require the smallest waist since 1947 but now the way to achieve it has changed from a private to a public matter. Instead of being worn under clothes, the corset or waist cincher is worn outside where it becomes a noticeable and decorative part of the costume. Usually it takes the form of a very wide belt shaped like a corset, or boned or elasticized like a conventional girdle. Designed to take the waist in as much as two inches, it does away with a layer of thickness by combining belt and corset and gives any dress the new doll-waisted look without the necessity of refitting the bodice over a cincher. The most

daring of the new outside corsets is a boned and laced bodice (*above*) that acts as the top of an evening dress with nothing else worn under or over it.

The materials and construction used in the new waist cinchers make them comfortable to wear. This marks an improvement over the last time high-style girdles were worn outside other garments. Back in Elizabethan England, court ladies encased themselves in hinged steel cages which were covered with elaborately jeweled and embroidered velvet and were so extremely constricting that Queen Elizabeth herself used to unhook hers at long official functions.



GROSGRAIN with boning makes rib-high cinch fastened with hooks and eyes over sun suit (Tina Leser, \$35, both).



LEATHER is shaped into corset four and a half inches wide (Vogue, \$5) over a plaid silk dress (Claire McCardell).



CANVAS is boned, leather-trimmed (Roger Van S., \$8) to cinch shirt and skirt (Horwitz and Duberman, \$21).



"VULGAR" ART, as classified by Hartford, is illustrated here by prints he holds of modernists Miro (left), Rouault (top), Picasso (right) and Dove (bottom).

ART TROUBLE IN PARADISE

Modernism upsets grocery heir's Eden

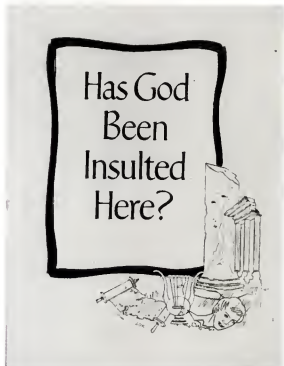
About three years ago millionaire Huntington Hartford, 40-year-old heir to the A&P fortune, concluded that much of the violence of modern society was due to an ignorance of the arts. So he created the Huntington Hartford Foundation and on the outskirts of Los Angeles, in a hidden canyon, built a \$600,000 retreat where struggling young artists, writers, composers and sculptors could live and create free from the cares of the world. Scholarships were granted to 30 young men and women whom Hartford thought deserving. Eminent figures in art agreed to serve on advisory committees. It appeared that, only a few minutes from Sunset Boulevard, a true artists' paradise was about to flourish.

But this past fall Hartford became repelled by "vulgar" and "meaningless" modern art. He wrote an angry tract entitled "Has God Been Insulted Here?" and mailed out 4,000 copies. Then, looking in wrath at his own backyard, he refused scholarships to two applicants whose work he thought too abstract. By last week tremors set up by Hartford's actions were rocking the foundations of his California Eden.





"WHOLESOME" ART approved by Hartford is exemplified here by Gauguin, Homer, Sargent, Cézanne and Mrs. Hartford, who did portrait of her husband.



TEMPESTUOUS TRACT by Hartford has cover on which symbols of ancient cultures and religions are shown crumbled, ignored.



AT WORK in his apartment, Playwright Cornel Lengyel pores over a manuscript. While at the foundation he finished a three-act verse drama.

AT REST (left) during break in work, the artists loll around swimming pool in front of foundation's rambling headquarters.

AS STORM RAGES, THE IDYLIC CREATIVE LIFE GOES ON

What fire from heaven has passed this way?
What tribunal has ordered salt to be strewn upon
this dwelling? Has God been insulted here?

With this quotation from Balzac, Huntington Hartford lashed out in his tract not only against modern art but against the "neurotic" tone of modern prose (*From Here to Eternity*), drama (*Tobacco Road*), dance (*Fall River Legend*) and music (Shostakovich and Prokofiev).

"Engrossed with evil (the modern artist) has wandered off to some streamlined inferno in which he has burned in effigy the normal people of the earth," Hartford wrote. "Nor have the people always objected, for it is often interesting to watch the devil at work, and a good bonfire is fun to see, even if it happens to be your own spirit that is going up in flames. . . ."

Members of Hartford's art advisory committee were taken aback by the tract, but they were even more shocked by what they considered his summary rejection of the scholarship applicants. All seven members resigned.

Other art critics, artists and art periodicals took sides

against the millionaire patron. But he also had defenders. Several housewives commended him for his stand against "Communism" and "filth." New York Theater Guild Directors Theresa Helburn and Lawrence Langner applauded. Heartened by such support, Hartford announced that he would appoint a new advisory board and that life at the foundation retreat would go on uninterrupted.

Hartford approves of the work of the present population of his paradise—who have been noncommittal about their patron's point of view—but admits that it is still too early to appraise the art that will come out of his experiment. He feels, however, that it will not be extreme. In its hidden canyon the Hartford colony is about as close to the traditional art colonies of Greenwich Village and Paris' Left Bank as Los Angeles' Bel Air is to the Kasbah. It provides its fellows with free room and board, working facilities, library, use of swimming pool, horses, free transportation to town. All of this is managed by the foundation supervisor, an ex-Polish diplomat of considerable taste and culture who manufactures cheesecake on the side.



EX-ADVISERS, shown when still with foundation, are Donald Bear (standing), of Santa Barbara, and Arthur Millier, art editor of *Los Angeles Times*.



STUDIO APARTMENTS, on which Hartford bowed to ultramodernism, were designed by Lloyd Wright, son of Frank Lloyd Wright, who tilted the fronts.

COMPOSER Robert Wolf plays for artists, whose reflections are seen in glass window. Crest of a hill is seen through the glass.





C. S. FORESTER, historical novelist, found fascination in the sea through being shipwrecked on the coast of Spain. Since then his fictional hero, Horatio Hornblower, has advanced from midshipman to

admiral, and Mr. Forester has kept pace by becoming the modern master of sea stories. His novel, *The African Queen*, recently filmed on the dark continent, will soon follow the doughty Hornblower to the screen.

More people like it, more people buy it, than any other ale... by 4 to 1

HOW WOULD YOU put a glass of Ballantine Ale into words?

Here, the writer of the famous
Horatio Hornblower stories has a try at it...

C.S. Forester

There's always a first time for everything,
and I still remember my first Ballantine Ale.

I had ordered my first kleines helles in
Munich, my first Bock in Paris. As a rather
bewildered young man in New York, I did a
two-hour sight-seeing tour before being
shipped to Hollywood, and in the half-hour
before my train was to go, I had my first
Ballantine Ale.

So my first recollection of Ballantine is
linked with the Port of New York, the Em-
pire State Building, and Grand Central
Station. All of them were different from
anything that had ever come into my ex-
perience - and all of them great.

Even then, I realized that the flavor of
Ballantine Ale was unique. I thought it
better than any brew I had met in Europe's
most famous beer gardens. I still do.

C. S. Forester



Purity, Body and Flavor
in every refreshing glass

BALLANTINE ALE



P. Ballantine & Sons, Newark, N. J.



IN "DESIRE UNDER THE ELMIS" EPHRAIM CABOT (KARL MALDEN) TAKES COURAGE FROM GOD AFTER HIS WIFE AND SON HAVE TRAGICALLY BETRAYED HIM

O'NEILL SHINES AGAIN

On the roster of U.S. playwrights the name of Eugene O'Neill has long been conspicuously important, but on Broadway in recent years his plays have been conspicuously absent. To be sure, ill health has crimped his productiveness, but whereas other major dramatists have had

their works revived periodically O'Neill has virtually become Broadway's forgotten man.

Last month this situation was remedied when two O'Neill dramas were brought back. *Desire Under the Elms* (1924), with its almost biblical story of illicit love in New England, was

given by ANTA and had its brief engagement extended by popular demand. *Anna Christie* (1921) was done by The New York City Theatre Company with Comedienne Celeste Holm surprisingly cast as the ex-prostitute who found romance and redemption on a coal barge. She



IN "ANNA CHRISTIE" AN EX-PROSTITUTE (CELESTE HOLM) FINDS TRUE LOVE IN THE FORM OF A SHIPWRECKED SAILOR RESCUED BY HER FATHER'S BARGE

TWO OLD PLAYS ARE HITS

did only a fairly good job, but Kevin McCarthy was excellent as her sailor sweetheart. The play was so well liked that the revival was taken over by a producer for a regular Broadway run.

Both of these plays display O'Neill's ability to affirm and uphold, even in his most passion-

ridden characters, the basic dignity of the human spirit. O'Neill himself, who is living now in a Boston hotel, could not witness his successes. Last December he was reported critically ill. But a few days ago his pleased physician said "his condition now is generally a lot better."

IN 1946 O'NEILL AND WIFE WATCH HIS LAST BROADWAY PLAY REHEARSAL →





HIS OLD LOVE for his farmlands is described by 76-year-old Ephraim Cabot in *Desire Under the Elms*, while his young unhappy third wife Abbie (Carol Stone) dreams of another kind of love.



HER YOUNG LOVE for Eben (Douglas Watson), who is Cabot's son by his second wife, blazes up in Abbie, as she drags Eben from his bed and persuades him to come downstairs and court her.

AT A DANCE to celebrate birth of Abbie's son, Cabot struts and crows, believing the son to be his own. But Eben, brooding upstairs, and Abbie are bitterly aware that Eben is the father.



IN SAVAGE BATTLE Cabot fells his son after a quarrel over Abbie. Still unaware that he was not the baby's father, Cabot says Abbie had the baby to keep Eben from inheriting the farm.

TO PROVE HER LOVE for Eben, who believes charge that she wanted to disinherit him, Abbie sweeps the tragedy toward its end by smothering their baby in the cradle while Cabot sleeps.



CONTINUED ON PAGE 36

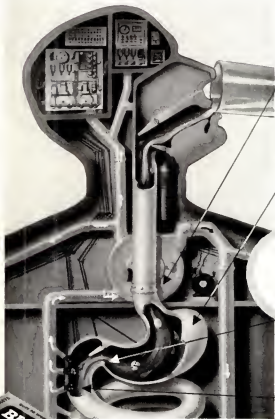
Get fast pain relief!

Bufferin

TRADE-MARK

Acts twice as fast as aspirin!
Doesn't upset the stomach!

Here's how Bufferin acts twice as fast as aspirin



1 Bufferin or aspirin tablet enters stomach here.

2 Neither Bufferin nor any pain-relief product can relieve pain while tablet is in stomach.

3 Dissolving rapidly, Bufferin, being antacid, opens trap door of stomach speedily.

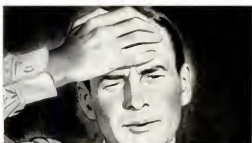
4 Opening trap door of stomach speedily, Bufferin enters the bloodstream twice as fast as aspirin, relieves pain twice as fast.



PRODUCT OF BRISTOL-MYERS

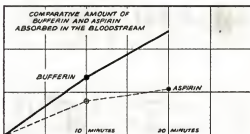
Because Bufferin does not upset the stomach as aspirin often does, many doctors recommend Bufferin for prolonged, as well as occasional, dosage.

Bufferin is scored for easy breaking when half doses are indicated.



No tablet or powder can give you relief from pain until the pain-relieving ingredient enters the bloodstream. Bufferin, being antacid, opens the stomach valve speedily, gets into the bloodstream twice as fast as aspirin! Therefore Bufferin acts twice as fast to relieve pain.

And Bufferin won't upset your stomach as aspirin often does, because Bufferin is antacid.



TIME OF ABSORPTION

Clinical studies prove that people who took Bufferin had more pain-relieving ingredient actually in the bloodstream in ten minutes than those people who took aspirin had in twenty minutes. That's why Bufferin acts twice as fast as aspirin to relieve pain.



For headaches, neuralgia, and ordinary muscular aches and pains, remember Bufferin for fast pain relief! Ask your physician or dentist about Bufferin. Get Bufferin from your druggist. Carry the 12-tablet, pocket-size package. Keep the economical 36- or 100-tablet package in your home medicine chest. Bufferin is also available in Canada.

IF YOU SUFFER FROM ARTHRITIS OR RHEUMATISM, ASK YOUR PHYSICIAN ABOUT BUFFERIN

THE STAGE 'ANNA'

Of all O'Neill's serious plays *Anna Christie* has had the most conventional popularity. After winning a Pulitzer prize on Broadway, it was produced all over Europe, emerged as a film with Greta Garbo in 1930 and still bobs up in community theaters. O'Neill himself rejected the play because he felt it lacked spiritual significance and once refused to have it printed in a collection of his works. In the current Broadway production *Anna Christie* satisfies its audience by being exactly what it is: a simple sea romance, with honest, pungent characters and a touching love story.



ANNA'S NEW LIFE, seen on the stage, begins in waterfront dive where she waits to join her father. Unaware of her arrival, he is downing a quick one at the bar. Below: Anna purges her soul by confessing her sinful past to her gray-haired father and her sweetheart (Kevin McCarthy), both of whom finally forgive her.



THE TV 'ANNA'

A few nights after *Anna Christie* opened on the stage, a slightly shorter version was televised by ABC on the Celanese Theatre. For one evening's performance, the TV producers spent as much money—about \$25,000—as the stage producers had invested. June Havoc bit effectively into the role of Anna, making her tougher than Celeste Holm's version. A young English actor, Richard Burton, acted her sweetheart with a strong, boyish authority which bespoke the influence of Sir Laurence Olivier. Many people who saw both versions felt that *Anna Christie* was better on TV.

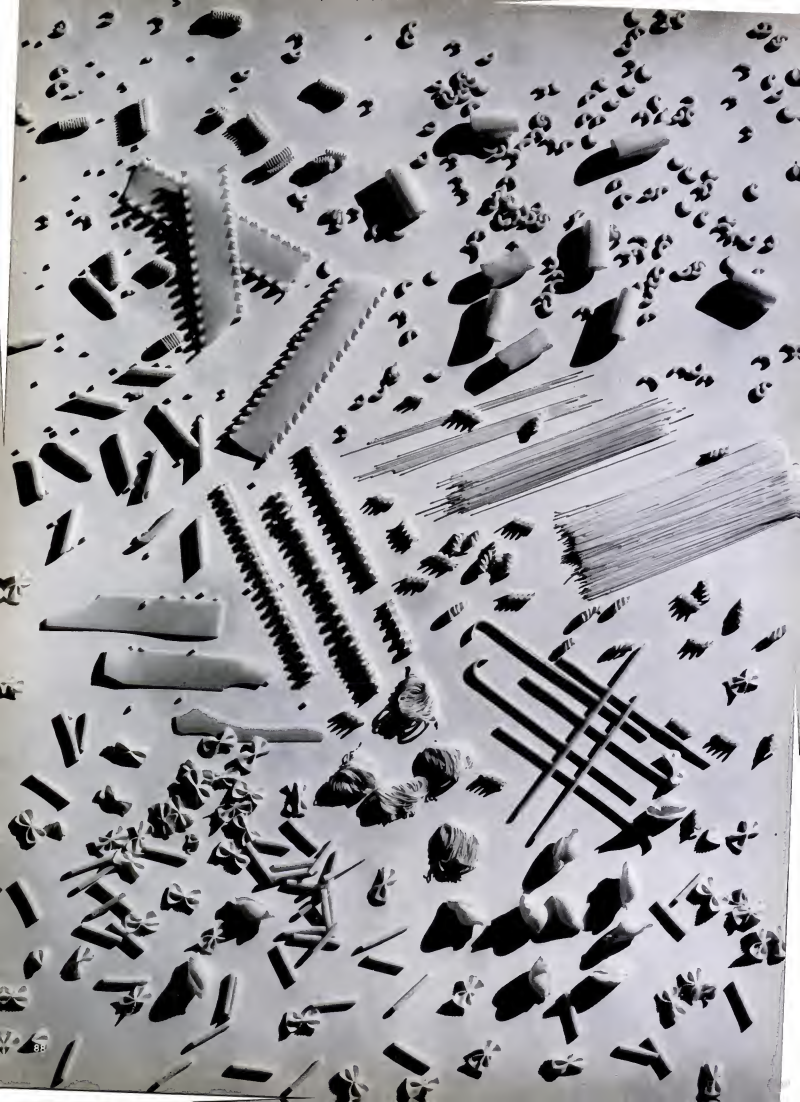


BAR SCENE on TV, as it does on stage, has Anna chatting with a kindly old hussy who reassures Anna by saying her father is as "good an old guy as ever walked on two feet."

RESCUED SAILOR on TV is given a shot of whisky by Anna after his ship had been wrecked in a fog. Seeing Anna, he says dazedly, "I thought you was some mermaid."

CONFESSING her bitterness against all the men in her life, Anna on TV had to delete profanity from O'Neill's lines which read originally, "God damn 'em! I hate 'em!"







BITE TEST by Gene Leone, owner and master chef of a popular New York restaurant, determines whether boiling spaghetti is properly firm (*al dente*).

Pasta

HOW TO GET BETTER MILEAGE FROM THE SPAGHETTI FAMILY

The daily formed bits of flour and water paste at left come in 200 shapes and, under the family name of pasta, constitute one of the most generally appreciated and most consistently abused foods in the U.S. Pasta is the staple item in America's thousands of spaghetti joints and Italian restaurants, and the amateur chef's spaghetti dinner has become an institution for Sunday suppers. The average American now downs seven pounds of pasta annually, far below the 60 pounds averaged in Italy, but up 40% over U.S. consumption 10 years ago. This increasing U.S. popularity is doubly remarkable considering pasta's generally faulty preparation: It is sadly overcooked and is usually served in watery tomato sauce. Actually pasta is an easy food to prepare and it can be varied indefinitely simply by shifting sauces. It provides an inexpensive, filling meal for the night before payday, or it can acquire a party manner and be served to an elastic number of hungry guests.

Pasta is simply a paste mixture of durum wheat, which has been ground to the coarseness of sugar, and water. The paste is pressed into plain or fancy shapes, which determine the name, and then dried. The high gluten content of this amber-colored wheat, grown in the north central states, gives the adhesiveness necessary for shaping. Since gluten is protein, it makes the finished product equal to lean meat in protein content, although pasta is largely a starch. A diligent following of the eleven recipes for sauces and dishes given on pages 90, 93 and 96, and strict adherence to the basic rules for preparing pasta products will make a cook out of almost anyone who can boil water.

FANCY PASTA FORMS have names to match. Starting at top and going down: *acini di pepe* (dots); *torroncini* (ridged tubes); curved elbow macaroni; *lasagne riccia* (wide strips, ridged edge); *cantelle* (fat tubes); *tubettini* (little tubes); *mostaccioli* (tubelike "little mustaches"); *malafadina* (ridged strips); bundles are various widths of spaghetti; *capellini*, *spaghettini*, *linguine*; *lasagne* (wide strips); *matassa* (skeins); *rigatoni* (twists); *macaroni* (hollow, curved ends); bow ties; *ziti* (short strips); *maruzze rigate* (ridged sea shells).

CONTINUED ON NEXT PAGE



Little chum needs his planned diet, too

EASY PLAN:

1. For concentrated basic nourishment, feed your dog Gro-Pup Ribbon daily.
2. Serve Gro-Pup dry or moistened (milk, water, gravy). Table scraps fine, too!

Boy thrives on well-planned diet, and so does the family pet. Feed your dog nutritious Gro-Pup Ribbon as his basic food. Here are over 30 elements (including vitamins and minerals) dogs are known to need. Every bite helps him grow strong bones, healthy coat. Then "for spice," top Gro-Pup with table tidbits!



With Gro-Pup, your dog gets tasty-fresh food every meal! No half-can leftovers! The only dry dog food with this seal of veterinary approval.

Attaboy! Plenty of pep in a well-nourished pooch! Keep your pup or full-grown dog in trim with Gro-Pup Ribbon. So thrifty, too. Packs 3 times the food value of most canned dog foods, pound for pound.



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AFTER
SHAVE
LOTION**

...SOOTHES
FOR HOURS!

Get **More** After-Shave Comfort With
Palmolive After-Shave Lotion

Refreshing, invigorating—new Palmolive After-Shave Lotion cools in seconds... takes the sting out of the closest shave... contains a special emollient ingredient that soothes your skin for hours! And you'll go for its brisk, masculine aroma.

PASTA CONTINUED

HOW TO COOK SPAGHETTI

There are three fundamental rules which must be followed in cooking spaghetti if it is to taste as good as it should. In general, the rules apply to all pasta. The first is to use plenty of water. Using too little water is the most common error. For 8 ounces of spaghetti (enough to feed 4) use six quarts of water, if a large enough pot is available. Four quarts of water are the minimum requirement for cooking even a handful of spaghetti. Spaghetti cooked in too little water is sticky and has a pasty taste.

The second rule is to bring the water to a furious boil. It must be bubbling and steaming before the spaghetti is put in. For 8 ounces of spaghetti add one tablespoon of salt to the water. Then place the spaghetti gently in the boiling water so that it does not break. Stir immediately with a long-handled spoon so that the spaghetti will not stick to the bottom or sides of the pot. Spaghetti should be cooked from 8 to 10 minutes, with the lid off so that the water does not boil over on the stove. Taste a few strands after 8 minutes. Italians prefer their spaghetti *al dente* or firm to the bite. Those who like it a little softer cook it for the full 10 minutes, but test-tasting is important.

The third rule is to drain the spaghetti in a colander or strainer the very second it is done. Letting spaghetti or any pasta stay in the cooking water ruins its taste and consistency. Do not rinse spaghetti in cold water. After draining put the spaghetti back in the hot pot. Add a little butter. Mix well and cover until ready to serve.

Like spaghetti, all pasta requires lots of salted water that is boiling furiously. All require stirring to keep from sticking and all should be drained as soon as they are done. There are variations in timing for different kinds of pasta, as chart below shows. Ideally, all pasta should be served as soon as it has finished cooking. The sauce should be put on each individual serving and grated parmesan or romano cheese should be provided for diners to sprinkle liberally on top of the pasta.

TYPE	COOKING TIME	GENERAL DIRECTIONS
MACARONI		
Elbow macaroni	7-10 minutes	8 ounces of pasta serves 4. For 8 ounces add 1 tablespoon salt to 4 to 6 quarts boiling water. Gradually add macaroni, spaghetti or noodles so that water continues to boil. When tender, drain immediately in colander.
Long macaroni	9-12 minutes	
Ziti	9-12 minutes	
SPAGHETTI		
Thin spaghetti	6 minutes	
Regular spaghetti	8-10 minutes	
EGG NOODLES		
Fine egg noodles	6-8 minutes	
Regular egg noodles	8-10 minutes	
Wide egg noodles	10-12 minutes	
VARIETY SHAPES		
Alphabets	6-8 minutes	Rinse under cold running water, then put back in hot pot.
Farfalla (bow ties)	9-12 minutes	
Macaronelli	7-12 minutes	
Pastina	5-7 minutes	
Rigatoni	9-12 minutes	
Sea shells	7-10 minutes	
Lasagne	6-10 minutes	
Manicotti	6-10 minutes	

SIX BASIC SAUCES

MEAT SAUCE

1/4 cup olive oil	1/4 teaspoon dry crushed red pepper
1/2 cup butter	2 oz. red wine
1 cup onion, finely chopped	1 cup canned tomatoes or
1 lb. beef, ground	1 cup tomato juice
4 strips raw bacon, finely chopped	1 cup tomato puree
4 cloves garlic, finely chopped	2 tablespoons tomato paste or
3 tablespoons parsley, finely chopped	1/4 cup additional tomato puree
1 teaspoon salt	2 stalks celery, finely chopped
Freshly ground black pepper	1 small carrot, finely chopped

Warm olive oil in a saucepan over low heat; add butter and simmer until melted. Add onion, sauté until golden brown. Add ground beef and bacon, sauté until brown, stirring occasionally. Add garlic and parsley, salt, black pepper and red pepper. Cook over low heat for 10 minutes. Add wine, cover and steam for 2 minutes. Add tomatoes, tomato puree and tomato paste. Bring to boiling point, add celery and carrot. Cover and cook over low heat for 1 hour, stirring occasionally. Serves 4.

CONTINUED ON PAGE 33

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I'm a fierce and terrible plate
I've a super treasure, too
It's a box of HEIDE JUJU FRUIT
I'm splittin' with my crew

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PHILLIPS'
MILK OF MAGNESIA
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Gentle
Thorough Relief
of
CONSTIPATION

HENRY HEIDE, INC. NEW YORK, N. Y.



"Anyway, you didn't burn the Schlitz!"

There's hope for any young bride who knows her man well enough to serve him Schlitz Beer. For what man (or woman) can resist the taste of Schlitz Beer... a *taste* millions prefer to the taste of any other beer. No, we're not just saying that. Here's the simple proof:

Schlitz tastes so good to so many people,
it's first in sales in the U.S.A.

RADIO HEADLINER: "The Halls of Ivy", with the Renald Colmans, Wednesdays, NBC.
TELEVISION HIT: "Schlitz Playhouse of Stars", Fridays, CBS-TV.



Please - remember no other cracker can do
so much for soup's flavor as RITZ!



You're counting on this soup to be so savory...so heart-warmingly good. Better stop one second—make sure those are RITZ CRACKERS gracing the plate! Only these crisp and crunchy crackers can make

the soup live up to its tantalizing aroma. For only RITZ CRACKERS have that special tasty zest that flatters flavor in all soups, salads, drinks. Try them, very next time. All the time.

Remember - it pays to buy "RITZ" - because
"Nothing tastes as good as RITZ - but **RITZ!**"



BASIC INGREDIENTS for almost all pasta sauces are: olive oil, red wine, Italian sausage, ground beef, chicken, clams, anchovies, bacon, mozzarella, parmesan and cottage cheeses, butter, canned peas, Italian tomatoes and peppers, garlic, onions, eggs, mushrooms, celery, green peppers, carrots, spices.

TOMATO SAUCE

- | | |
|---------------------------------------|--------------------------------|
| 1/4 cup olive oil | 1 teaspoon oregano |
| 2 tablespoons butter | Pinch dry crushed red pepper |
| 1 cup onion, finely chopped | 1 teaspoon salt |
| 1 lb. beef stew meat (in one piece) | Freshly ground black pepper |
| 4 oz. Italian salami, finely chopped | 2 medium-sized tomatoes, diced |
| 1 marrow bone (beef, veal, ham) | 1 cup tomato juice |
| 4 cloves garlic, minced | 3 cups tomato purée |
| 3 tablespoons parsley, finely chopped | 1/2 cup tomato paste |

Warm olive oil in saucepan; add butter and simmer until melted. Add onion, sauté until golden brown. Add stew meat, salami, marrow bone and cook over low heat for 10 minutes. Add garlic, parsley, oregano, red pepper, salt and black pepper; bring to boiling point. Add tomatoes, tomato juice, tomato purée and tomato paste. Mix thoroughly. Bring to boiling point again and continue cooking over low heat 1 1/2 hours, stirring occasionally. Remove meat and bone and serve. Use meat for another dinner. Serves 4.

CHICKEN LIVER SAUCE

- | | |
|--|---------------------------------------|
| 1/4 cup olive oil | 4 strips raw bacon, finely chopped |
| 2 tablespoons butter | 4 cloves garlic, finely chopped |
| 1 cup onion, finely chopped | 3 tablespoons parsley, finely chopped |
| 1 small green pepper, finely chopped | 1/2 teaspoon salt |
| 2 chicken (or 1 turkey) gizzards, finely chopped | Freshly ground black pepper |
| 6 chicken livers, finely chopped | 4 small fresh tomatoes, diced |
| | Pinch dry crushed red pepper |

Warm olive oil in a saucepan; add butter and simmer until melted. Add onion, green pepper; sauté until almost tender. Put gizzards in pot; cook slowly 20 minutes. Add chicken livers, bacon, garlic, parsley, salt, black and red pepper. Cook over low heat for 10 minutes. Put in tomatoes and bring to boiling point. Cover and cook over low heat 20 minutes, stirring occasionally. Serves 4.

CLAM SAUCE

- | | |
|----------------------------------|--|
| 1/4 cup olive oil | 3 tablespoons parmesan cheese, grated |
| 1/2 cup butter | Pinch dry crushed red pepper |
| 6 cloves garlic, finely chopped | Freshly ground black pepper |
| 1/4 cup parsley, finely chopped | 10-12 large cherry-stone clams, chopped coarsely |
| 1 tablespoon basil (sweet basil) | |

Warm olive oil in a saucepan; add butter and simmer until melted. Add garlic, parsley, basil, parmesan cheese, red and black pepper. Bring to a boiling point. Add clams with their natural liquid and again bring to a boiling point. Serve over spaghetti or noodles. (Note: To make red clam sauce, add 1 cup tomato sauce when adding clams.) Serves 4.

CONTINUED ON PAGE 98

Arvin TV gives you more tubes, more power, more features than the 3 top-selling makes

 CHECK ALL THESE FEATURES	3 present top-selling makes of TV				Means THIS to YOU:
	ARVIN Dual Power 17" tube model	Make "A" 17" tube model	Make "B" 17" tube model	Make "C" 17" tube model	
Number of tubes (including picture tube and picture tube)	26	23	21	23	More tubes mean more power and greater range
Tone Control	YES	NO	NO	NO	As much tube or tube as you want
Local Distance Control	YES	NO	NO	NO	"Distance" uses full power to pull in remote stations. "Local" reduces strong signals to prevent distortion.
Fixed Automatic Scan Control	YES	YES	NO	NO	Checks "Surprise Button" and other electronic interference
Number of Recycling Tubes	7	5	0	3	These facts indicate perfect interference.
I.F. Circuit	41.25MC	41.25MC	21.25MC	21.25MC	Intermediate Frequency Circuit in 41 mc circuit is a spectrum analyzer, interference, feedback and control.
Voice I.F. Stages	4	4	3	4	Four picture I.F. stages provide extra sensitivity and selectivity
UHF Provision	DUAL TUNING CONVERTER	CONVERTER	TUNING TUNER CONVERTER	TUNING TUNER CONVERTER	Dual Tuning (optional) of extra controls, more channels, more channels and UHF stereo broadcasts, start.
Phono Jack	YES	YES	NO	NO	Permits connecting record player.

Arvin DUAL POWER TV pulls in far-distant stations clearly

Study the chart, and see how many ways Arvin TV excels the three present top-selling makes of television. Then you'll understand how Arvin brings sharp, clear, rock-steady pictures to countless areas where reception has always been difficult or impossible!



BEAUTIFUL NEW CABINETS

Arvin's wide range of prices and cabinet styles includes many consoles and five table models. You have your choice of period or modern design, of rich mahogany, sleek lined oak, or fine cherry. Lucite control knobs, finish-o'-gold trim, and beautiful hand-rubbed finishes are of the same high quality so emphatically obvious in Arvin reception.



BIG 17" AND 21" SCREENS

All new Arvin Dual Power Custom sets incorporate a big, no-glare black rectangular picture tube in 17" or 21" size. Arvin's Perma-Focus pictures are locked in to prevent wavering or drifting. Check the chart again, and see how many more controls and traps Arvin provides!

MANY EXTRA FEATURES

When you tune Arvin for your picture, the right sound comes in automatically. Local-distance switch, variable tone control, Magna-Bass tone compensation, and Velvet Voice tone system are other fine Arvin features.

Arvin was first to manufacture TV sets with UHF tuner built in, optional at small extra cost. No converter, no strips, no service call needed!

ARVIN INDUSTRIES, Inc.
Columbus, Indiana

You needn't feel pinched to look priceless

in a Warner-Wonderful new thrifty girdle

What wonderful news, to discover at last that you needn't pay dear to look darling. Suddenly, your most outspoken curves are bewitched into the lines you love in a new Warner-Wonderful Thrifty.

So artfully contoured, these glorious girdles are alive with the luxury of fabulous fabrics and free-feeling stitchery that *once* were beyond your dreams because they were beyond your purse. So deftly stitched, woven of the lithest, liveliest threads this side of heaven—your new Warner-Wonderful Thrifty girdle is your personal declaration of independence from binding traditions.

And the exciting choice you can make! There are Sta-Up-Tops, Warner's* exclusive waist-whittler... comfortable, curve-controlling power nets... light but firm knitted fabrics... glimmering satins... so many fabrics, new as tomorrow! Yet the price is less than you'd expect to pay for an ordinary girdle!

Whatever your age, to keep your figure as young as your heart with luxurious comfort and *without* budging your budget—ask for a new Warner-Wonderful Thrifty. *Look!* They're only \$3.95 to \$10.95. At the nicest stores.

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Can't find the Warner-Wonderful Thrifty you want? Write our nearest sales office and we'll send the name of the nearest store.

DEPARTMENT A, THE WARNER BROTHERS COMPANY
NEW YORK 16, N.Y.—CHICAGO 6, ILL.—SAN FRANCISCO 8, CALIF.
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STA-UP-TOP THRIFTY! World-famous Sta-Up-Top, exclusive with Warner's... *always* stays up, never rolls down. The wonderful feature you expect only in Warner's much costlier girdles. Diamond front with eye-appeal blue stitching—*flatters and flattens!* What caressing comfort in Warner's two-way stretch elastics, every inch tested by us to keep your figure dream-lined! Style #474 or matching pantie (#475) in white. Only \$7.50. #2059 Warner's strapless bra... \$3.50.





EMBRACEABLE YOU! Warner's fabulous power net—created and made by us! It soothes and smooths—tested by us for comfort-control! Our own Sta-Up-Top makes your waist thimble-size. Only Warner's has this unique feature! There's contour-minded, expensively curved, down-stretch satin elastic to form the embroidered front and the back panels. In white, style #647. The price? Only \$10.95. #1045, Warner's A'Lure bra... \$3.95.

HIP NIPPER CHARM! What wonderful comfort in Warner's own, knit-to-fit, two-way stretch pantie girdle. Wear-forever elastics made by us to be *sure* they're the *best*! Festive bow across the front, delicately embroidered in blue! Stay-put band keeps your waist wishful-small. Style #375 in white. A new, smoother line in a Warner-Wonderful Thrifty for only \$5.00. (Matching girdle, style #374... \$3.95.) #2151, Warner's wonderful nylon bra... \$2.50.

LOOK
HERE



LOOK IN THE
'YELLOW PAGES'
OF YOUR TELEPHONE DIRECTORY
for HOME OR
BUSINESS
NEEDS

PASTA CONTINUED

ANCHOVY SAUCE

$\frac{1}{2}$ cup olive oil
Oil remaining in one 2-oz. can
of anchovy fillets
2 tablespoons butter
4 cloves garlic, minced

$\frac{1}{2}$ cup parsley, finely chopped
one 2-oz. can anchovy fillets
Pinch basil
Freshly ground black pepper

Warm olive oil and anchovy oil in a saucepan; add butter and simmer until melted. Add garlic and parsley; sauté 4 minutes over low heat. Add anchovy fillets, basil and ground pepper; continue cooking until sauce is thoroughly heated and the anchovies have blended into the sauce. Stir occasionally. Serves 4.

MUSHROOM SAUCE

$\frac{1}{4}$ cup olive oil
 $\frac{1}{4}$ cup butter
1 clove garlic, minced

1 lb. mushrooms, sliced thin
 $\frac{1}{2}$ teaspoon salt
 $\frac{1}{4}$ teaspoon oregano
Freshly ground black pepper

Warm olive oil in a saucepan; add butter and simmer until melted. Add garlic, mushrooms and salt and cook until mushrooms are tender (about 12 minutes), stirring constantly. Add oregano and pepper; mix thoroughly. Serves 4.

FIVE GREAT ITALIAN DISHES

MANICOTTI

8 oz. manicotti
1 tablespoon olive oil
 $\frac{1}{4}$ lb. mozzarella cheese, diced
 $\frac{1}{4}$ cup cottage cheese
2 eggs, beaten slightly

2 tablespoons parmesan
cheese, grated
2 tablespoons butter
 $\frac{1}{4}$ teaspoon salt
Freshly ground black pepper

Cook manicotti according to chart, page 90. Add 1 tablespoon olive oil to water before putting in manicotti. While the manicotti cooks, put eggs, cheeses, butter, salt and pepper in a bowl and mix thoroughly. Drain cooked manicotti and stuff each with cheese mixture. Place a light layer of tomato sauce (recipe p. 93) in a shallow rectangular baking dish; then place stuffed manicotti in the dish and cover with remaining sauce. Sprinkle stuffed manicotti liberally with additional grated parmesan cheese. Bake in 375° oven for 20 minutes. Serves 4.

LASAGNA

Cook 8 ounces of lasagna. Add 1 tablespoon olive oil to boiling water before putting in lasagna. Make meat sauce according to recipe page 90. Cover bottom of a rectangular baking dish with $\frac{1}{2}$ of meat sauce. Place $\frac{1}{4}$ pound of mozzarella cheese sliced thin over sauce and top with $\frac{1}{2}$ pound ricotta cheese. Add a layer of lasagna. Cover with $\frac{1}{2}$ meat sauce, $\frac{1}{2}$ pound of both cheeses. Add another layer of lasagna. Cover

with rest of meat sauce and another $\frac{1}{2}$ pound of both cheeses. Bake in moderate oven 375° for 30 minutes. Serves 4.

MACARONI AND CHEESE

8 oz. elbow macaroni
3 tablespoons butter
3 tablespoons white flour
2 cups milk

1 teaspoon salt
Freshly ground black pepper
1 cup mozzarella cheese, diced
 $\frac{1}{4}$ cup parmesan cheese, grated
4 medium-sized tomatoes, sliced

Cook macaroni. Melt butter over low heat in a saucepan. Add flour and blend. Then add milk and cook until thickened, stirring constantly. Add salt, pepper and cheese; stir and continue cooking over low heat until cheese is melted. Remove from heat. Put half of the macaroni in a shallow 2-quart casserole; pour half of the cheese sauce over this and put half of the tomato slices on top. Repeat layers. Place casserole under broiler (4 inches from flame) for 10 minutes, or until cheese sauce begins to brown. Serves 4.

CHICKEN CACCIATORE

8 oz. noodles
 $\frac{1}{2}$ cup olive oil
 $\frac{1}{4}$ cup butter
2 cups onion, finely chopped
3 to 3½ lb. spring chicken,
cut into 6 pieces
1 green pepper, finely chopped

4 garlic cloves, mashed
Pinch basil
1 teaspoon salt
Pinch dry crushed red pepper
 $\frac{1}{4}$ cup red wine
1 cup canned tomatoes or
1 cup tomato juice

Warm oil in a heavy skillet; add butter and simmer over low heat until thoroughly melted. Add onion and sauté brown. When the fat is hot, sauté chicken pieces and giblets. Add green pepper, garlic, basil, salt, black and red pepper and cook slowly for 5 minutes. Add red wine, cover and steam for 3 minutes. (This steaming seals the flavor of the wine into the sauce.) Add tomatoes, cover and bring to boiling point. Turn heat to low and cook for 30 minutes, stirring occasionally. Cook noodles. Drain and put back into warm pot. Pour some of the sauce from chicken cacciatore mixture into noodles; stir lightly but thoroughly. Place noodle mixture lengthwise on half of a large serving platter and the chicken pieces on the remaining half. Pour remaining chicken sauce over chicken and noodles. Serves 4.

PEAS AND PASTA SHELLS

8 oz. pasta shells
 $\frac{1}{4}$ cup olive oil
4 tablespoons butter
4 cloves garlic, minced
1 cup onion, finely chopped

1 No. 2 can baby peas
 $\frac{1}{4}$ cup parsley, finely chopped
 $\frac{1}{4}$ teaspoon salt
Freshly ground black pepper

Combine olive oil, butter and garlic in a saucepan and warm; sauté onion until golden brown, then cook the pasta shells. Heat peas thoroughly in a saucepan and drain. In a 1½-qt. casserole, put cooked pasta shells, oil, garlic, peas and parsley. Mix lightly but thoroughly. Season with salt and pepper to taste. Cover. Place in moderate oven to keep warm. This is a pasta dish that does not suffer if not served immediately, may even be prepared in the morning and kept in refrigerator until ready to heat. Serves 4.



EATING METHODS vary; shoveling is good for speed, bad for vest, tablecloth.



WINDING on fork propped in spoon is most efficient way, needs nimble wrist.



CUTTING with knife is done by beginners who place the goal above technique.



He's so tiny—so helpless—so dependent on you to keep his tender skin from harm. Your baby's skin really is thinner than yours, you know. Skin studies show it might chafe more easily, become "sore" quicker. All over his tiny body, his thinner skin needs your loving care.

Treat his thinner skin with gentle care



More and more mothers are finding the ideal combination of "tender skin" qualities in ScottTissue. You will discover, too, that ScottTissue's greater value makes it the perfect choice for the whole family. You get 1000 generous size sheets to a roll. ScottTissue goes further, lasts longer.

"ScottTissue," "Soft as old linen," Reg. U. S. Pat. Off.



You carefully "sponge" the creases and skin folds of his little body. Even the tiniest bit of lint might irritate that tender skin. And you're careful too, to check his bathroom tissue for 3 "tender skin" qualities. Old linen softness that doesn't chafe. High absorbency for quick cleansing. Just the right strength to resist tearing.



1000 Generous Size Sheets—Soft as old Linen



SPACE HOSTESS. Mrs. John Levy, models dress for rocket travel, with stars and planets printed on it.



Life Goes to The Atomic Ball

ST. LOUIS PUTS ON A FISSIONABLE AFFAIR

For 17 years the annual Bachelors' Ball held for young socialites at the Westwood Country Club in St. Louis has been a staid white-tie affair. But this year custom and costume were both completely ignored as the dance was converted into an Atomic Ball. The guests came dressed like space pilots, atomic clouds and robots. To get everybody properly launched into space, the drinks had names like Dry Martians and Old Fissions. After that, amid the crackling of rockets, the dancers had no trouble in

getting off the ground. One special guest was a live pig, "Miss Bikini II," announced as a radioactive descendant of the pig exposed at Bikini. Frightened by all the noise, however, the party-going pig quickly hid in a corner where it was forgotten until discovered by a porter after the guests had gone. Many guests stayed until after daybreak, for a fog descended over the St. Louis area and the highway patrol thought it would be dangerous for them to head for home, particularly until everybody had come back to earth.



SUPERSTUDENTS of future, portrayed by Mr. and Mrs. Tom Stix wearing balloon heads, are visualized as the products

of a planned evolution. They have normal bodies but oversized heads to accommodate their tremendously developed brains.



"MISS LUNA TICK." Mrs. Bud Levy, does a high kick while dancing with her husband (right), who represents the "Atom Bum," a character from comic strip, *Li'l Abner*.

ROBOT AND WIFE cavort. Robert Palan had difficulty keeping his metallic body together. His wife, wearing diapers and long underwear, was test-tube baby of the future.

NEW!



Sweetheart

A distinguished version of the new bracelet watch! Sweet winged hearts frame its lovely face. Its gently curved crystal, its golden crescent band give it an enchanting delicacy!

And, Sweetheart, like all fine Seth Thomas® watches, has the priceless accuracy of movement that has made Seth Thomas famous as makers of superb timekeepers for over a century.

17 jewels. \$19.50, including Fed. Tax (shown 1/2 over size.)

*New U.S. Pat. Off.
*Prove accuracy to change with-out action.)



The newest in fine watches by the oldest name in time

Seth Thomas
GT
of Thomaston, Connecticut

Atomic Ball CONTINUED



MAN FROM MOON dances with interplanetary partner. Three days later he was still trying to get lacquer out of his hair so that he could go to his office.



FASHIONS OF FUTURE are shown by a couple. Her sign reads, "Lead in THIS material this season"; his says, "Be Really Smart, Wear Lead Pants."

CONTINUED ON PAGE 103



OVER 50 MILLION SOLD



98¢

"PERMA-DRI"

refills sold everywhere

B. B. PEN COMPANY, INC., HOLLYWOOD, CALIF.

COLD got you?
MAKE A FRIEND OF

Tabcin
When you take cold—like TABCIN quick—TABCIN is the modern cold formula of time-tested ingredients to relieve the headache, the feverish feeling and aches and pains of a cold. TABCIN also contains antihistamine to check sneezes and sniffles. TABCIN offers more complete cold relief than the antihistamine alone. Atlas Laboratories, Inc., Elkhart, Ind.

ALL DRUG STORES in the BRIGHT RED package.

Whenever you write to LIFE about your subscription

Be sure you've included your postal zone number!



Ask Your Dealer For The SUN-MAID THIRTY-PACK Six Handy Pocket Packs At A Low Price!

HI, ELSIE ! WHAT'S THE BIG IDEA ?



"IT'S ELSIE'S GOOD FOOD LINE
—AND IT'S GOING PLACES !"

"WITH everybody and his brother travelling this year, you couldn't expect me to stay at home!" laughed Elsie.

"We're on our way to every corner of America to tell folks about the whole wonderful line of Borden's Fine Foods!"

"Elmer exploded when I told him . . . WHY, he argued, should we go gallivanting thousands of miles to tell folks about America's most popular line of foods?"

"I had to admit that millions of folks all over the country already buy *more* packages carrying the Borden brand name than any other in the world."

"But, I begged him to think of the other people we could make happier at eating time, if we could get them acquainted with all the products in my *Good Food Line*—GOOD milk, GOOD cheese, GOOD ice cream, GOOD collee, mince meat and many more!"

"I reminded him, if it's Borden's it's *GOT* to be good! *That* he couldn't argue with, but he gave me a bad moment when he suggested we make our campaign trip by covered wagon—the romantic old dear!"

"So, here we go! And we'll be stopping at your favorite store with my *Good Food Line*. Drop in and look it over! *All* these fine foods will bring you good eating every day of the year!"

Get all the products in ELSIE'S GOOD FOOD LINE
at your favorite store!

Wouldn't you...if she were *your* Janie?

Use the same
First-aid Dressings
most leading
hospitals do... *Curity*

Any little lady becomes a little girl again when she's in pain. That's when every mother wants to do her very best for her child. Here, Mother is doing just that. She's using Curity for Janie's burn—the same first-aid dressings most leading hospitals use. Isn't it good to know that you can get these same famous dressings packaged for home use at any leading drug store? And honestly, would anything less be good enough?



Curity

REG. U. S. PAT. OFF.

(BAUER & BLACK)

HOSPITAL DRESSINGS FOR THE HOME

BAUER & BLACK
Division of The Kendall Company
©1952, The Kendall Company

HERE'S WHAT TO DO
FOR MINOR BURNS



FIRST-AID FACTS
BY *Miss Curity*®

2. APPLY OINTMENT TO
CURITY STERILE GAUZE PAD



A burn is a wound, easily contaminated with germs. So apply any good burn ointment such as Burn-A-Lay to sterile gauze pad and place over burned area.

1. EXAMINE BURN FOR
BLISTERS OR BROKEN SKIN

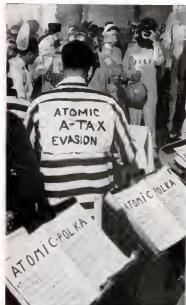


There are 3 degrees of burns: 1st degree: red skin. 2nd degree: red skin with blisters. 3rd degree: burned tissue underneath. If skin is badly blistered or broken, call a physician.

3. COVER AND WRAP WITH
CURITY STERILE GAUZE
BANDAGE



Secure the gauze pad by wrapping loosely with gauze "roller" bandage. Hold in place with a strip of Curity Wat-Proof Adhesive at either end. Change bandage daily.



CELLMATES, Charles Pel-tason and his wife (shoulder at left), got striped pajamas as a gag Christmas present two years ago but had never before worn them. Polka got a new name for the occasion.



ATOM MAID, Mrs. Robert Buell, is wife of the sales manager of a large paper company and to please her husband had originally planned to wear a paper dress. But after suffering a slight attack of influenza she changed to a warmer costume made of velveteen.



"WHISKY SOLAR," made of whisky and soda, is nursed by Carol Tober, a St. Louis shoe manufacturer's daughter who stayed at the party until the very end, leaving at about 8 o'clock in morning.

CURL and WAVE HAIR

While You Shampoo and Set

Makes Hair Beautiful, Soft, Easily Managed



Adrian Booth, Lovely Motion Picture Star

Not a permanent wave but you curl and wave your hair right while you shampoo and set. You have to wash your hair anyway so see how easily hair curls after using the fabulous MARLENE'S HAIR WAVING SHAMPOO. Lustrous waves, glorious curls that stay in usually from shampoo to shampoo.

COUNTERACTS DULL, LIFELESS HAIR

Marlene's rich hair conditioning lather gently dissolves every particle of clinging dust film, whisks away dandruff flakes, scrupulously cleans each hair strand separately and shines it with renewed life, gorgeous sparkling sheen . . . leaves hair smooth and soft yet manageable even to the ends . . . radiant in beauty and feminine loveliness. Makes permanents last longer! And Marlene's doesn't just make your hair want to curl . . . each Marlene's Shampoo and set actually curls it without permanent waving.

NO CLOUDING SOAP FILM EVEN IN HARD WATER! MAKES HAIR SOFT, MANAGEABLE, GLOWING WITH LIFE AND LUSTRE

Marlene's Hair Waving Shampoo contains not a trace of soap, nothing harsh, nothing drying or dulling whatsoever. It cleans, conditions and glorifies your hair and each shampoo and set curls and waves it at the same time. And, very important it rinses instantly.

In all the world there is nothing like Marlene's Hair Waving Shampoo. No wonder Marlene's is sweeping America! Get Marlene's, get the shampoo of your dreams and long-lasting curls and waves at the same time, or money back!



MARLENE'S HAIR WAVING SHAMPOO
AT COSMETIC COUNTERS, ALL OVER THE U. S. AND CANADA
Or Send \$1.20 Tax Incl. To Marlene's, Inc., 230 N. Michigan, Chicago 1, Ill.

DOCTORS AGREE:



Menthol is Important in Relieving Colds!



Luden's contains extra menthol. It's this extra menthol in Luden's Menthhol Cough Drops that brings quick, effective relief.

START! and GO!

with



Hester Quality-Built Batteries are the product of a quarter-century of experience and carry an unconditional guarantee on workmanship and materials. For the name of your nearest dealer, or for buying arrangements, write

HESTER BATTERY MFG. CO.
Nashville 10, Tennessee
Southeast's largest independent producer

RELIEVES PAIN OF HEADACHE · NEURALGIA NEURITIS

FAST

The way thousands of physicians and dentists recommend



Anocin® relieves headache, neuralgia, neuritis pain fast because Anocin is like a doctor's prescription—that is, Anocin contains not just one, but a combination of medically proven, active ingredients in easy-to-take tablet form. Thousands have been introduced to Anocin through their own dentist or physicians. If you have never used Anocin, try these tablets yourself for incredibly fast, long-lasting relief from pain. Don't wait. Buy Anocin today.



from LIFE, March 14, 1949, by Victor Jorgensen



from LIFE, November 26, 1951, by Raymond Clark

WHAT'S IN A PICTURE . . .

These pictures have a lot in common. Both are photographs of intense movement, but they convey the sensation of movement in totally different ways.

With a high-speed exposure, the camera catches the skater at the peak of violent motion and lets us observe details in this swirling movement we could never hope to see if we actually watched it—the ring on the skater's right hand, particles of ice on a skate. This is seeing beyond the power of normal vision.

In the nightclub picture, the camera sums up its subject in a long, slow, impressionistic look. A mood is established, our emotions are stirred, and we do not ask to look at the details of the scene. The blurred figures catch us in a throbbing intensity of motion conveyed in a blaring syncopation of light, heat and sound.

The camera has many ways of adding a new visual dimension to the things we see around us.



...it's always
a pleasure



I.W. HARPER

since 1872

The Gold Medal Whiskey

BOTTLED IN BOND
KENTUCKY BOURBON



KENTUCKY STRAIGHT BOURBON WHISKEY, BOTTLED IN BOND, 100 PROOF, I. W. HARPER DISTILLING COMPANY, LOUISVILLE, KENTUCKY

Coke follows thirst everywhere

On the move or at the camp PX, a stop at the familiar red cooler is like meeting up with an old friend. And when your hand's around a frosty bottle of Coke, you've got the upper hand on thirst. Yes sir, I know.



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